

=> FILE REG

FILE 'REGISTRY' ENTERED ON 09 MAY 2008

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=> D HIS

FILE 'REGISTRY' ENTERED ON 09 MAY 2008

ACT PEZ724/Q

L1 STR
L2 SCR 2043
L3 QUE L1 AND L2

L4 9 S L3
L5 121 S L3 FUL
SAV L5 PEZ724/A
ACT PEZ724A/A

L6 (10)SEA FILE=REGISTRY (866330-94-1/BI OR 866330-96-3/BI OR 86
L7 10 SEA FILE=REGISTRY L6 AND PMS/CI

L8 111 S L5 NOT L7

FILE 'HCA' ENTERED ON 09 MAY 2008

L9 1 S L7
L10 152 S L8
L11 25960 S AMPHOTER?
L12 30 S L10 AND L11

FILE 'REGISTRY' ENTERED ON 09 MAY 2008

L13 95 S L8 AND (CL OR BR OR I)/ELF

FILE 'HCA' ENTERED ON 09 MAY 2008

L14 140 S L13

FILE 'REGISTRY' ENTERED ON 09 MAY 2008

FILE 'LREGISTRY' ENTERED ON 09 MAY 2008

E ACRYLIC ACID/CN

L15 1 S E3
L16 216 S 79-10-7/CRN
E METHACRYLIC ACID/CN
L17 1 S E3

L18 183 S 79-41-4/CRN
E ACRYLAMIDE/CN
L19 1 S E3
L20 83 S 79-06-1/CRN

FILE 'REGISTRY' ENTERED ON 09 MAY 2008

L21 4 S L13 AND (L16 OR L18) AND L20
L22 65632 S L16
L23 51096 S L18
L24 15288 S L20
L25 6 S L13 AND (L22 OR L23)
L26 20 S L13 AND L24

FILE 'HCA' ENTERED ON 09 MAY 2008

L27 3 S L25
L28 15 S L26

FILE 'REGISTRY' ENTERED ON 09 MAY 2008

L29 14 S L5 AND (L22 OR L23) AND L24

FILE 'HCA' ENTERED ON 09 MAY 2008

L30 2 S L29

FILE 'LREGISTRY' ENTERED ON 09 MAY 2008

L31 STR

FILE 'REGISTRY' ENTERED ON 09 MAY 2008

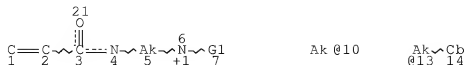
L32 2 S L31 SSS SAM SUB=L5
L33 SCR 2127
L34 1 S L31 AND L33 SSS SAM SUB=L5
L35 21 S L31 AND L33 SSS FUL SUB=L5
SAV L35 PEZ724B/A
L36 1 S L8 AND F/ELF
L37 4 S L35 NOT (L22 OR L23)

FILE 'HCA' ENTERED ON 09 MAY 2008

L38 1 S L36
L39 5 S L37
L40 10 S L9 OR L27 OR L30 OR L38 OR L39
L41 14 S L28 NOT L40
L42 28 S L12 NOT (L40 OR L41)
L43 10 S 1840-2005/PY,PRY,AY AND L40
L44 14 S 1840-2005/PY,PRY,AY AND L41
L45 26 S 1840-2005/PY,PRY,AY AND L42

FILE 'REGISTRY' ENTERED ON 09 MAY 2008

=> D L35 QUE STAT
L1 STR



VAR G1=10/13
 NODE ATTRIBUTES:
 CHARGE IS E+1 AT 6
 CONNECT IS E2 RC AT 5
 CONNECT IS E1 RC AT 10
 CONNECT IS E2 RC AT 13
 CONNECT IS E1 RC AT 14
 DEFAULT MLEVEL IS ATOM
 GGCAT IS SAT AT 5
 GGCAT IS SAT AT 10
 GGCAT IS SAT AT 13
 GGCAT IS UNS AT 14
 DEFAULT ECLEVEL IS LIMITED
 ECOUNT IS M8 C AT 10
 ECOUNT IS M2 C AT 13
 ECOUNT IS M6 C AT 14

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE
 L2 SCR 2043
 L5 121 SEA FILE=REGISTRY SSS FUL L1 AND L2
 L31 STR



VAR G1=COOH/PO3H2/OP3H2/SO3H/OSO3H
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 3

STEREO ATTRIBUTES: NONE
L33 SCR 2127
L35 21 SEA FILE=REGISTRY SUB=L5 SSS FUL L31 AND L33

100.0% PROCESSED 31 ITERATIONS 21 ANSWERS
SEARCH TIME: 00.00.01

=> FILE HCA
FILE 'HCA' ENTERED ON 09 MAY 2008
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=> D L43 1-10 BIB ABS HITSTR HITIND

L43 ANSWER 1 OF 10 HCA COPYRIGHT 2008 ACS on STN
AN 143:367751 HCA Full-text
TI Amphoteric high-molecular-weight polymers and their applications as
associative thickeners for aqueous systems
IN Gaillard, Nicolas; Favero, Cedrick
PA Snf Sas, Fr.
SO Fr. Demande, 24 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
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	FR 2868783	B1	20060616		
	CA 2562996	A1	20051027	CA 2005-2562996	200503 29
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	WO 2005100423	A1	20051027	WO 2005-FR50196	

200503
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CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ,
DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC,
NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1732960 A1 20061220 EP 2005-739721

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IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

CN 1950406 A 20070418 CN 2005-80013941

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US 20070287815 A1 20071213 US 2007-599724

200706
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PRAI FR 2004-50701 A 20040407 <--

WO 2005-FR50196 W 20050329 <--

OS MARPAT 143:367751

AB High-mol.-wt. amphoteric polymers, useful as associative thickeners
for aq. systems, are manuf. by polymn. of ≥ 1 cationic monomer based
on acrylamide derivs. having C8-30 hydrophobic chains, 1-99.9% ≥ 1
anionic monomer, and 1-99% ≥ 1 water-sol. nonionic monomer. These
polymers are useful in oil industry, paper industry, water treatment,
mining industry, cosmetic industry, textile industry, detergent
industry. A typical polymer was manufd. by redox polymn. of acrylic
acid 27, acrylamide 72.3 and 3-
acryloylaminopropyltrimethylammonium chloride 0.7 mol%.

IT 866330-94-1P, Acrylamide-acrylic acid-3-
acryloylaminopropyltrimethylammonium chloride copolymer
866330-96-3P, Acrylamide-acrylic acid-3-
acryloylaminopropyltrimethylammonium chloride copolymer
866330-97-4P, Acrylamide-acrylic acid-3-
methacryloylaminopropyltrimethylammonium chloride copolymer

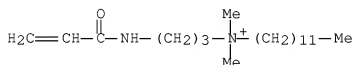
866330-98-5P, Acrylamide-acrylic acid-3-acryloylaminopropyltrimethyldecylammonium chloride-3-acryloylaminopropyltrimethyloctadecylammonium chloride copolymer
 866330-99-6P, Acrylamide-acrylic acid-3-acryloylaminopropyltrimethyldecylammonium bromide-methylenebisacrylamide copolymer 866331-00-2P, Acrylamide-acrylic acid-3-acryloylaminopropyltrimethyldecylammonium chloride-N-tert-octylacrylamide copolymer 866331-01-3P, Acrylamide-acrylic acid-3-acryloylaminopropyltrimethyldecylammonium bromide-N-isopropylacrylamide copolymer 866331-02-4P, Acrylamide-acrylic acid-3-acryloylaminopropyltrimethyldecylammonium bromide-2-acrylamido-2-methylpropanesulfonic acid copolymer 866331-03-5P, Acrylamide-acrylic acid-3-acryloylaminopropyltrimethyldecylammonium chloride-N-vinylpyrrolidone copolymer 866331-04-6P, Acrylamide-acrylic acid-3-acryloylaminopropyltrimethyldecylammonium bromide copolymer

(amphoteric high-mol.-wt. acrylamide deriv. polymers for associative thickeners for aq. systems)

RN 866330-94-1 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 2-propenamide and 2-propenoic acid (9CI)
 (CA INDEX NAME)

CM 1

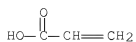
CRN 866330-93-0
 CMF C20 H41 N2 O . C1



● C1-

CM 2

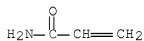
CRN 79-10-7
 CMF C3 H4 O2



CM 3

CRN 79-06-1

CMF C3 H5 N O



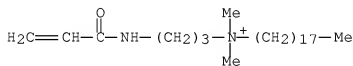
RN 866330-96-3 HCA

CN 1-Octadecanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 2-propenamide and 2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 866330-95-2

CMF C26 H53 N2 O . Cl

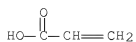


● Cl⁻

CM 2

CRN 79-10-7

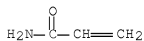
CMF C3 H4 O2



CM 3

CRN 79-06-1

CMF C3 H5 N O



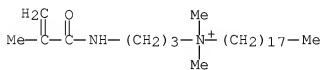
RN 866330-97-4 HCA

CN 1-Octadecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 2-propenamide and 2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 110281-82-8

CMF C27 H55 N2 O . Cl

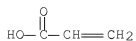


● Cl⁻

CM 2

CRN 79-10-7

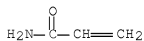
CMF C3 H4 O2



CM 3

CRN 79-06-1

CMF C3 H5 N O



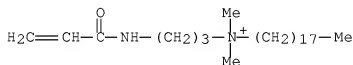
RN 866330-98-5 HCA

CN 1-Octadecanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-1-dodecanaminium chloride, 2-propenamide and 2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 866330-95-2

CMF C26 H53 N2 O . C1

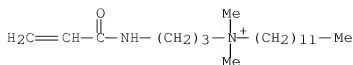


● C1⁻

CM 2

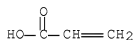
CRN 866330-93-0

CMF C20 H41 N2 O . C1



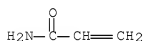
CM 3

CRN 79-10-7
CMF C3 H4 O2



CM 4

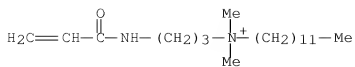
CRN 79-06-1
CMF C3 H5 N O



RN 866330-99-6 HCA
CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-, bromide, polymer with N,N'-methylenebis[2-propenamamide], 2-propenamamide and 2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

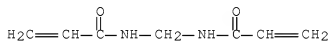
CRN 350237-56-8
CMF C20 H41 N2 O . Br



CM 2

CRN 110-26-9

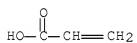
CMF C7 H10 N2 O2



CM 3

CRN 79-10-7

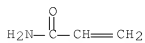
CMF C3 H4 O2



CM 4

CRN 79-06-1

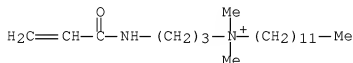
CMF C3 H5 N O



RN 866331-00-2 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-
 , chloride, polymer with 2-propenamide, 2-propenoic acid and
 N-(1,1,3,3-tetramethylbutyl)-2-propenamide (9CI) (CA INDEX NAME)

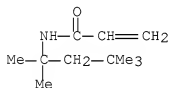
CM 1

CRN 866330-93-0
 CMF C20 H41 N2 O . Cl



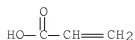
CM 2

CRN 4223-03-4
 CMF C11 H21 N O



CM 3

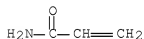
CRN 79-10-7
 CMF C3 H4 O2



CM 4

CRN 79-06-1

CMF C3 H5 N O



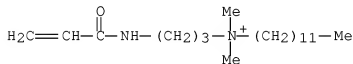
RN 866331-01-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-, bromide, polymer with N-(1-methylethyl)-2-propenamide, 2-propenamide and 2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 350237-56-8

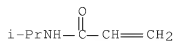
CMF C20 H41 N2 O . Br



CM 2

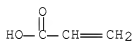
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CMF C6 H11 N O



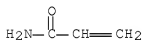
CM 3

CRN 79-10-7
CMF C3 H4 O2



CM 4

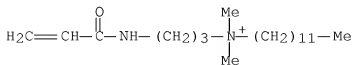
CRN 79-06-1
CMF C3 H5 N O



RN 866331-02-4 HCA
CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-
, bromide, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-
propanesulfonic acid, 2-propenamide and 2-propenoic acid (9CI) (CA
INDEX NAME)

CM 1

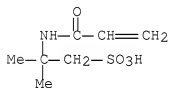
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CMF C20 H41 N2 O . Br



CM 2

CRN 15214-89-8

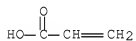
CMF C7 H13 N O4 S



CM 3

CRN 79-10-7

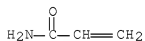
CMF C3 H4 O2



CM 4

CRN 79-06-1

CMF C3 H5 N O



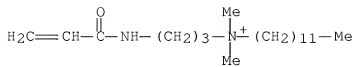
RN 866331-03-5 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 1-ethenyl-2-pyrrolidinone, 2-propenamide and 2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 866330-93-0

CMF C20 H41 N2 O . Cl



CM 2

CRN 88-12-0

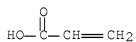
CMF C6 H9 N O



CM 3

CRN 79-10-7

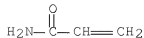
CMF C3 H4 O2



CM 4

CRN 79-06-1

CMF C3 H5 N O

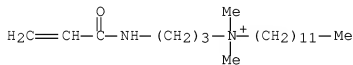


RN 866331-04-6 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-
 , bromide, polymer with 2-propenamide and 2-propenoic acid (9CI)
 (CA INDEX NAME)

CM 1

CRN 350237-56-8

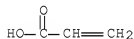
CMF C20 H41 N2 O . Br



CM 2

CRN 79-10-7

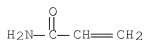
CMF C3 H4 O2



CM 3

CRN 79-06-1

CMF C3 H5 N O



IC ICM C08F220-60
ICS C09K007-02; C08F220-06; C08F220-56
CC 35-4 (Chemistry of Synthetic High Polymers)
IT 866330-94-1P, Acrylamide-acrylic acid-3-
acryloylaminopropylldimethyldodecylammonium chloride copolymer
866330-96-3P, Acrylamide-acrylic acid-3-
acryloylaminopropylldimethyloctadecylammonium chloride copolymer
866330-97-4P, Acrylamide-acrylic acid-3-
methacryloylaminopropylldimethyloctadecylammonium chloride copolymer
866330-98-5P, Acrylamide-acrylic acid-3-
acryloylaminopropylldimethyldodecylammonium chloride-3-
acryloylaminopropylldimethyloctadecylammonium chloride copolymer
866330-99-6P, Acrylamide-acrylic acid-3-
acryloylaminopropylldimethyldodecylammonium bromide-
methylenebisacrylamide copolymer 866331-00-2P,
Acrylamide-acrylic acid-3-acryloylaminopropylldimethyldodecylammonium
chloride-N-tert-octylacrylamide copolymer 866331-01-3P,
Acrylamide-acrylic acid-3-acryloylaminopropylldimethyldodecylammonium
bromide-N-isopropylacrylamide copolymer 866331-02-4P,
Acrylamide-acrylic acid-3-acryloylaminopropylldimethyldodecylammonium
bromide-2-acrylamido-2-methylpropanesulfonic acid copolymer
866331-03-5P, Acrylamide-acrylic acid-3-
acryloylaminopropylldimethyldodecylammonium chloride-N-
vinylpyrrolidone copolymer 866331-04-6P,
Acrylamide-acrylic acid-3-acryloylaminopropylldimethyldodecylammonium
bromide copolymer
(amphoteric high-mol.-wt. acrylamide deriv. polymers for
associative thickeners for aq. systems)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L43 ANSWER 2 OF 10 HCA COPYRIGHT 2008 ACS on STN
AN 141:175436 HCA Full-text
TI Copolymers with biocidal effect, procedures for their production
IN Crass, Gerhard; Falk, Uwe; Glos, Martin
PA Clariant GmbH, Germany
SO Ger. Offen., 11 pp.
CODEN: GWXXBX
DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10302174	A1	20040805	DE 2003-10302174	20030122

PRAI DE 2003-10302174 20030122 <--

OS MARPAT 141:175436

AB Polymers with mol. wt. 2000-2,000,000, useful for biocidal treatments of textiles, are based on olefinically unsatd. compds. optionally contg. heteroatoms and contain 0.1-99.9 mol% CR4R5CR6C(:O)(YR1NR3R2) units [R1 = C1-4 alkylene or (AO)n; A = C1-6 alkylene; n = 2-50; R2, R3 = (heteroatom-contg.) (cyclic) C1-30 hydrocarbyl, R1 + R2 has ≥ 14 C; R4-6 = H, (heteroatom-contg.) (cyclic) C1-30 hydrocarbyl, or carboxy; Y = NH or O] and(or) their quaternary ammonium derivs. A typical polymer was manufd. by radical polymn. of 2-(didecylmethylchloroammonio)ethyl methacrylate 22, stearyl acrylate 14, 2-ethylhexyl acrylate 2, and N-(hydroxymethyl)methacrylamide 2 g.

IT 732281-41-3P

(vinyl polymers contg. N-contg. side chains for biocidal treatment of textiles)

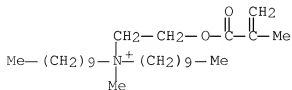
RN 732281-41-3 HCA

CN 1-Decanaminium, N-[3-[[(2Z)-3-carboxy-1-oxo-2-propenyl]amino]propyl]-N-decyl-N-methyl-, methyl sulfate, polymer with N-(butoxymethyl)-2-methyl-2-propenamide, N-decyl-N-methyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-1-decanaminium chloride, 2-(ethenyloxy)propane, 2-ethylhexyl 2-propenoate and octadecyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 566203-14-3

CMF C27 H54 N O2 . C1

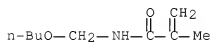


● C1-

CM 2

CRN 5153-77-5

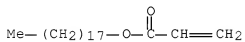
CMF C9 H17 N O2



CM 3

CRN 4813-57-4

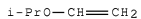
CMF C21 H40 O2



CM 4

CRN 926-65-8

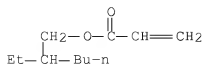
CMF C5 H10 O



CM 5

CRN 103-11-7

CMF C11 H20 O2



CM 6

CRN 732281-40-2

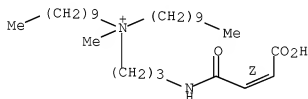
CMF C28 H55 N2 O3 . C H3 O4 S

CM 7

CRN 732281-39-9

CMF C28 H55 N2 O3

Double bond geometry as shown.



CM 8

CRN 21228-90-0

CMF C H3 O4 S



IC ICM C08F220-60

ICS C08F220-34; C07C219-08; C07C305-06; C07C251-54; C07C217-08;
C07C233-21; C09D005-16; D06M015-21

CC 40-9 (Textiles and Fibers)

Section cross-reference(s): 5

IT 732281-37-7P, Didecyl[2-(methacryloyloxy)ethyl](methyl)ammonium

chloride-2-ethylhexyl acrylate-N-(hydroxymethyl)methacrylamide
copolymer 732281-41-3P 732281-42-4P 732281-43-5P
732281-44-6P
(vinyl polymers contg. N-contg. side chains for biocidal
treatment of textiles)

L43 ANSWER 3 OF 10 HCA COPYRIGHT 2008 ACS on STN

AN 140:94638 HCA Full-text

TI Solution viscosity behavior of water-soluble hydrophobically
associating copolymers of acrylamide/methylacrylaminoethyl dimethylal
kylammonium bromide/sodium acrylate

AU Ji, Mei-fang; Wang, Jian-quan; Geng, Tong-mou; Wu, Wen-hui; Li, Jun
CS Sch. Mater. Sci. Eng., Beijing Inst. Technol., Beijing, 100081,
Peop. Rep. China

SO Gongneng Gaofenzi Xuebao (2003), 16(3), 387-391
CODEN: GGXUEH; ISSN: 1004-9843

PB Gongneng Gaofenzi Xuebao Bianjibu

DT Journal

LA Chinese

AB Effects of hydrophobic chains length, inorg. electrolyte CaCl₂ and
NaCl on the intrinsic viscosity $[\eta]$ values and Huggins parameters KH
of the water-sol. hydrophobically assocg. terpolymers
(acrylamide/methylacrylaminoethyl dimethylalkylammonium bromide/sodium
acrylate copolymer) are discussed. The changes of $[\eta]$ values and
Huggins parameters KH of the polymer AO-8 with the increase of temp.
are also reported. The results indicate that in dil. aq. soln., with
the increase of ionic strengths of inorg. electrolyte, the intrinsic
viscosity values of the hydrophobically assocg. terpolymers decrease,
while Huggins parameters increase. Furthermore, in the range of semi-
dil. aq. soln., the effects of polymer mass fraction, temp., shear
rate and added electrolyte on apparent viscosities were studied. It
is obsd. that there 'appeared viscosity enhancement phenomena with
the increase of NaCl content in the saline soln. of hydrophobically
assocg. polymers.

IT 643050-41-3, Acrylamide-methylacrylaminoethyl dimethyloctylam
monium bromide-sodium acrylate copolymer 643050-45-7,
Acrylamide-methylacrylaminoethyl dimethyldecylammonium bromide-sodium
acrylate copolymer 643050-48-0, Acrylamide-
methylacrylaminoethyl dimethyldodecylammonium bromide-sodium acrylate
copolymer 643050-50-4, Acrylamide-
methylacrylaminoethyl dimethyltetradecylammonium bromide-sodium
acrylate copolymer

(soln. viscosity of water-sol. hydrophobically assocg. copolymers
of acrylamide/methylacrylaminoethyl dimethylalkylammonium
bromide/sodium acrylate)

RN 643050-41-3 HCA

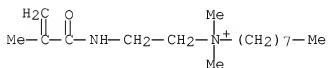
CN 1-Octanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-

propenyl)amino]ethyl]-, bromide, polymer with 2-propenamide and sodium 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 334687-38-6

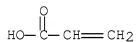
CMF C16 H33 N2 O . Br



CM 2

CRN 7446-81-3

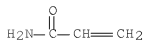
CMF C3 H4 O2 . Na



CM 3

CRN 79-06-1

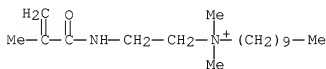
CMF C3 H5 N O



RN 643050-45-7 HCA
 CN 1-Decanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)amino]ethyl]-, bromide, polymer with 2-propenamide and sodium 2-propenoate (9CI) (CA INDEX NAME)

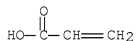
CM 1

CRN 643050-44-6
 CMF C18 H37 N2 O . Br



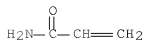
CM 2

CRN 7446-81-3
 CMF C3 H4 O2 . Na



CM 3

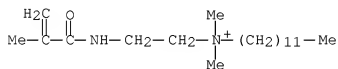
CRN 79-06-1
 CMF C3 H5 N O



RN 643050-48-0 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)amino]ethyl]-, bromide, polymer with 2-propenamide and sodium 2-propenoate (9CI) (CA INDEX NAME)

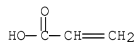
CM 1

CRN 643050-47-9
 CMF C20 H41 N2 O . Br



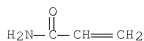
CM 2

CRN 7446-81-3
 CMF C3 H4 O2 . Na



CM 3

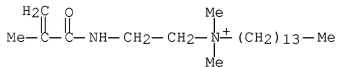
CRN 79-06-1
 CMF C3 H5 N O



RN 643050-50-4 HCA
 CN 1-Tetradecanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)amino]ethyl]-, bromide, polymer with 2-propenamide and sodium 2-propenoate (9CI) (CA INDEX NAME)

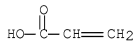
CM 1

CRN 643050-49-1
 CMF C22 H45 N2 O . Br



CM 2

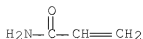
CRN 7446-81-3
 CMF C3 H4 O2 . Na



CM 3

CRN 79-06-1

CMF C3 H5 N O



CC 36-7 (Physical Properties of Synthetic High Polymers)
IT 643050-41-3, Acrylamide-methylacrylaminoethylmethyloctylam
monium bromide-sodium acrylate copolymer 643050-45-7,
Acrylamide-methylacrylaminoethylmethyldodecylammonium bromide-sodium
acrylate copolymer 643050-48-0, Acrylamide-
methylacrylaminoethylmethyldodecylammonium bromide-sodium acrylate
copolymer 643050-50-4, Acrylamide-
methylacrylaminoethylmethyldodecylammonium bromide-sodium
acrylate copolymer
(soln. viscosity of water-sol. hydrophobically assocg. copolymers
of acrylamide/methylacrylaminoethylmethyldodecylammonium
bromide/sodium acrylate)

L43 ANSWER 4 OF 10 HCA COPYRIGHT 2008 ACS on STN
AN 126:132757 HCA Full-text
TI Receptor base material used in jet printing ink containing
water-soluble dye
IN Shinkai, Masahiro; Nanba, Noryoshi
PA Tdk Electronics Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 08318673	A	19961203	JP 1996-80645	199603 08
				<--	
	JP 3059377	B2	20000704		
	US 5683855	A	19971104	US 1996-613985	199603 08
				<--	
	JP 11268408	A	19991005	JP 1998-377083	199603

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PRAI JP 1995-78096 A 19950309 <--
 JP 1996-80645 A3 19960308 <--

AB The title material comprises a substrate coated with a surface layer, which is writable with water-sol. dye-contg. inks, formed by radiation-hardening a coating contg. (a) a compd. having quaternary ammonium base with 3 alkyl groups of which the total C no. is ≥ 4 and (b) a CO₂H-contg. compd. and ≥ 1 of the 2 compds. is a monomer having an ethylenic unsatd. reactive group in its terminal. The ammonium base-contg. compd. may be a monomer CH₂:CROCO₂L₁N+R₁R₂R₃ X- or CH₂:CROCONHL₁N+R₁R₂R₃ X- [I; R₀ = H, Me; R₁-3 = alkyl (the total C no. of these 3 alkyl groups is ≥ 4); L₁ = C₁-8 alkyne which may contain ≥ 1 of O and CO groups; X- = halo ion]. The coating may contain a OH-contg. compd. and a morpholino-contg. compd. in addn. to the above 2 compds. and the surface layer may contain porous particles. The material may be recorded by ink jet recording and the substrate may be an optical recording medium with a radiation-hardened protective layer. The optical medium may contain a reflection layer contacted with the recording layer and ≥ 1 protective layer contg. the above protective layer and ≥ 1 of the surface layer and the protective layer may contain a white pigment. The material capable of recording with aq. inks shows good ink-drying properties and water resistance. Thus, a compn. contg. I [R₀ = R₁ = R₃ = Me; R₂ = n-C₅H₁₁; L₁ = (CH₂)₃; X = Br] 10, Aronix M 5600 (CH₂:CHCO₂C₂H₄CO₂H) 40, ethylene glycol monomethacrylate 20, porous silica particle 20, a photopolymn. initiator 5, and Blemmer GMR (hardener) 5 parts was coated on a disk with an UV-hardened protective layer and irradiated with UV to give an optical disk with a recording layer. The disk was printed by an ink contg. C.I. Direct Yellow 86 to show good dry-ability and good water resistance.

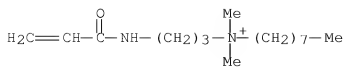
IT 186362-15-2P
 (recording materials having radiation-curable polymer-coated surface printable by water-sol. dye-contg. inks)

RN 186362-15-2 HCA
 CN 1-Octanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-, bromide, polymer with α -hydro- ω -[(1-oxo-2-propenyl)oxy]poly[oxy(1-oxo-1,3-propanediyl)], 4-(1-oxo-2-propenyl)morpholine and 1,2,3-propanetriol bis(2-methyl-2-propenoate) (9CI) (CA INDEX NAME)

CM 1

CRN 186362-14-1

CMF C16 H33 N2 O . Br

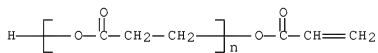


CM 2

CRN 117647-40-2

CMF (C3 H4 O2)_n C3 H4 O2

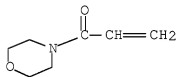
CCI PMS



CM 3

CRN 5117-12-4

CMF C7 H11 N O2



CM 4

CRN 28497-59-8

CMF C11 H16 O5

CCI IDS

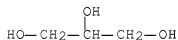
CM 5

CRN 79-41-4
CMF C4 H6 O2



CM 6

CRN 56-81-5
CMF C3 H8 O3



IC ICM B41M005-00
ICS D21H019-24
CC 42-12 (Coatings, Inks, and Related Products)
Section cross-reference(s): 74
IT 186362-13-0P 186362-15-2P 186362-16-3P 186362-17-4P
186362-18-5P 186362-19-6P 186362-20-9P 186402-78-8P
186436-01-1P
(recording materials having radiation-curable polymer-coated
surface printable by water-sol. dye-contg. inks)

L43 ANSWER 5 OF 10 HCA COPYRIGHT 2008 ACS on STN
AN 125:204599 HCA Full-text
TI Fluoride ion releasing dental materials
IN Fife, Wilmer K.; Zeldin, Martel; Rubinsztajn, Slawomir
PA Indiana University Foundation, USA
SO PCT Int. Appl., 46 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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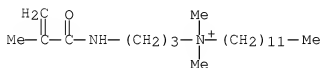
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	US 5639840	A	19970617	US 1995-378657	199501 26
	US 5705581 A 19980106 US 1995-474162				199506 07
	AU 9647064 A 19960814 AU 1996-47064				199601 26
PRAI	US 1995-378657	A	19950126	<--	
	WO 1996-US1229	W	19960126	<--	
AB	<p>Described are novel fluoride ion-releasing acrylic or methacrylic acid-based monomers, fluoride ion-releasing dental resin materials prep'd. from the monomers, and processes for prep'g. the monomers and dental resin materials (Markush structure given). The monomers of the invention are prep'd. in good yield from readily available starting materials. An alkylated methacrylic acid monomer with bromide anion was prep'd. by reaction of 3-(methacryloylamino)propyldimethylamine and dodecyl bromide on which fluoride ion exchange was performed using Reillex 425 loaded with fluoride anion to obtain 3-(methacryloylamino)propyldimethyldodecylammonium polyhydrogen fluoride-fluoride (I) which was purified by recrystn. from acetone (m.p. = 113-118°). A dental resin was prep'd. from methacrylic acid 0.75, trimethylpropanetrimethacrylate 0.75, ethylene glycol dimethacrylate 2.15 mL, I 130, benzoyl peroxide 20 mg, and MEHQ 200 ppm. The release rate of fluoride from disks made from the above resin over a period of 30 days was 6.5 µg/cm²/day.</p>				
IT	181274-68-0P (fluoride ion-releasing acrylic acid-based monomers in dental materials)				
RN	181274-68-0 HCA				
CN	1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, fluoride, polymer with 1,2-ethanediy bis(2-methyl-2-propenoate), 2-ethyl-2-[(2-methyl-1-oxo-2-				

propenyl)oxy]methyl]-1,3-propanediyl bis(2-methyl-2-propenoate) and
2-methyl-2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 181274-60-2

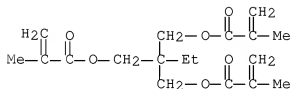
CMF C21 H43 N2 O . F



CM 2

CRN 3290-92-4

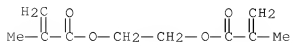
CMF C18 H26 O6



CM 3

CRN 97-90-5

CMF C10 H14 O4



CM 4

CRN 79-41-4

CMF C4 H6 O2



IC ICM A61K006-083
ICS C07C069-62; C07C211-20; C07C221-00; C07C225-14; C08F026-00;
C08F226-00; C08L039-00
CC 63-7 (Pharmaceuticals)
Section cross-reference(s): 35, 38
IT 181274-68-0P
(fluoride ion-releasing acrylic acid-based monomers in dental materials)

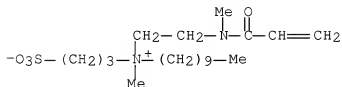
L43 ANSWER 6 OF 10 HCA COPYRIGHT 2008 ACS on STN
AN 122:240947 HCA Full-text
TI Solubilization by polysoaps
AU Anton, P.; Laschewsky, A.
CS Dep. Chim., Univ. Cathol. Louvain, Louvain-la-Neuve, Belg.
SO Colloid and Polymer Science (1994), 272(9), 1118-28
CODEN: CPMSB6; ISSN: 0303-402X
PB Steinkopff
DT Journal
LA English
AB The aq. solubilization power of several series of micellar homopolymers and copolymers (polysoaps) is investigated. Using 5 insol. or poorly water-sol. dyes, comparisons of the capacities are made with respect to the influence of structural variables such as the polymer backbone, the polymer geometry, the comonomer content, and the charge of the hydrophilic group. Some guidelines for polysoap structures suited for efficient solubilization are established. Solubilization capacities of the polysoaps are neither linked to the ability to reduce the surface tension of water, nor to the polarity of the solubilization sites deduced from spectroscopic probes.
IT 145583-72-8
(polysoap; solubilization of 5 dyes by polyzwitterion polysoaps)
RN 145583-72-8 HCA
CN 1-Decanaminium, N-methyl-N-[2-[methyl(1-oxo-2-propenyl)amino]ethyl]-N-(3-sulfopropyl)-, inner salt, polymer with N,N-dimethyl-2-

propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 135988-24-8

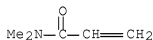
CMF C20 H40 N2 O4 S



CM 2

CRN 2680-03-7

CMF C5 H9 N O



CC 36-5 (Physical Properties of Synthetic High Polymers)

Section cross-reference(s): 46

IT 26793-34-0 30347-69-4 68912-04-9 133624-11-0 133624-23-4
135899-45-5 135899-46-6 136012-37-8 145583-68-2 145583-69-3
145583-72-8 145583-73-9 145583-75-1 145583-88-6
162558-36-3 162558-38-5 162558-40-9 162558-41-0 162558-43-2
162558-44-3

(polysoap; solubilization of 5 dyes by polyzwitterion polysoaps)

L43 ANSWER 7 OF 10 HCA COPYRIGHT 2008 ACS on STN

AN 120:300191 HCA Full-text

OREF 120:52891a,52894a

TI Copolymers of unsaturated carboxylic acids and quaternary ammonium compounds for use as thickeners and dispersants

IN Schade, Christian; Sanner, Axel; Wekel, Hans Ulrich; Frosch, Franz; Westenfelder, Horst

PA BASF A.-G., Germany

SO Ger. Offen., 10 pp.

CODEN: GWXXBX

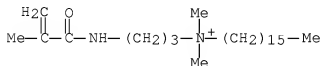
DT Patent

LA German

FAN.CNT 1

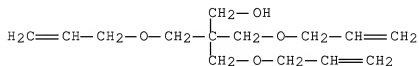
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 4213971	A1	19931104	DE 1992-4213971	199204 29
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	WO 9322358	A1	19931111	WO 1993-EP952	199304 20
				<--	
	W: CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP	638098	A1	19950215	EP 1993-911483	199304 20
				<--	
EP	638098	B1	19960626		
	R: DE, ES, FR, GB, IT				
JP	07505919	T	19950629	JP 1993-518878	199304 20
				<--	
ES	2088283	T3	19960801	ES 1993-911483	199304 20
				<--	
US	6329483	B1	20011211	US 1994-313175	199409 29
				<--	
PRAI	DE 1992-4213971	A	19920429	<--	
	WO 1993-EP952	W	19930420	<--	
AB	The title copolymers, esp. useful in cosmetics, are prepd. from 50-99.99% unsatd. C3-5 monocarboxylic and/or C4-8 dicarboxylic acids or anhydrides, 0.01-50% vinylimidazolium deriv. or (meth)acrylate deriv. contg. a quaternary ammonium group, and, optionally, other monomers such as (meth)acrylate esters and crosslinking monomers contg. ≥2 double bonds. A copolymer was prepd. from acrylic acid 200, N-dodecyl-N'-vinylimidazolium bromide 8.0, and pentaerythritol triallyl ether 1.2 g and used to prep. an aq. gel contg. triethanolamine (I) and an emulsion contg. I and paraffin oil.				

IT 155085-40-8P
 (prepn. of, as thickeners and dispersants in cosmetics)
 RN 155085-40-8 HCA
 CN 1-Hexadecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 2-propenoic acid and 3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]-1-propanol (9CI)
 (CA INDEX NAME)
 CM 1
 CRN 87667-80-9
 CMF C25 H51 N2 O . Cl

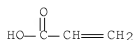


● Cl⁻

CM 2
 CRN 1471-17-6
 CMF C14 H24 O4



CM 3
 CRN 79-10-7
 CMF C3 H4 O2



IC ICM C08F220-04
 ICS C08F222-02; C08F222-04; C08F226-06; C08F220-34; C08F220-60;
 B01F017-52; A61K009-10

ICI C08F220-04, C08F226-06, C08F220-34, C08F220-60, C08F220-28,
 C08F220-58, C08F236-20

CC 37-6 (Plastics Manufacture and Processing)
 Section cross-reference(s): 38, 46, 62

IT 155085-28-2P 155085-29-3P 155085-30-6P 155085-32-8P
 155085-34-0P 155085-36-2P 155085-37-3P 155085-38-4P
 155085-40-8P 155085-41-9P 155085-42-0P 155085-43-1P
 155085-44-2P 155085-45-3P 155085-46-4P 155085-47-5P
 155085-48-6P
 (prepn. of, as thickeners and dispersants in cosmetics)

L43 ANSWER 8 OF 10 HCA COPYRIGHT 2008 ACS on STN

AN 120:192943 HCA Full-text

OREF 120:34155a,34158a

TI Synthesis and aqueous solution properties of responsive
 polyelectrolytes and polyampholytes

AU McCormick, C. L.; Kramer, M. C.; Chang, Y.; Branham, K. D.;
 Kathmann, E. L.

CS Dep. Polym. Sci., Univ. South. Mississippi, Hattiesburg, MS, 39406,
 USA

SO Polymer Preprints (American Chemical Society, Division of Polymer
 Chemistry) (1993), 34(1), 1005-6
 CODEN: ACPPAY; ISSN: 0032-3934

DT Journal

LA English

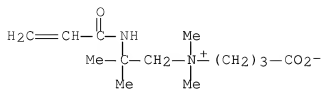
AB Aq. soln. properties of an acrylamide-based polyelectrolyte was
 studied in terms of reduced viscosity as function of polymer concn.
 and compn.

IT 153929-72-7
 (aq. soln. properties of, effects of polymer concn. and compn.
 on)

RN 153929-72-7 HCA

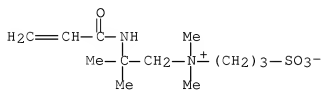
CN 1-Dodecanaminium, N,N-dimethyl-N-[2-[(1-oxo-2-propenyl)amino]ethyl]-
 , bromide, polymer with N-(3-carboxypropyl)-N,N,2-trimethyl-2-[(1-
 oxo-2-propenyl)amino]-1-propanaminium inner salt,
 11-[(1-oxo-2-propenyl)amino]undecanoic acid monosodium salt and
 N,N,2-trimethyl-2-[(1-oxo-2-propenyl)amino]-N-(3-sulfopropyl)-1-
 propanaminium inner salt (9CI) (CA INDEX NAME)

CRN 153929-71-6
 CMF C13 H24 N2 O3



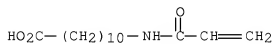
CM 2

CRN 125341-96-0
 CMF C12 H24 N2 O4 S



CM 3

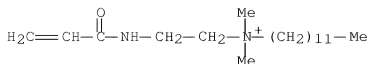
CRN 91777-68-3
 CMF C14 H25 N O3 . Na



● Na

CM 4

CRN 15827-05-1
 CMF C19 H39 N2 O . Br



CC 36-7 (Physical Properties of Synthetic High Polymers)

IT 153929-72-7

(aq. soln. properties of, effects of polymer concn. and compn. on)

L43 ANSWER 9 OF 10 HCA COPYRIGHT 2008 ACS on STN

AN 118:60356 HCA [Full-text](#)

OREF 118:10841a,10844a

TI Self-organization of hydrophobized polyzwitterions

AU Koeberle, P.; Laschewsky, A.; Van den Boogaard, D.

CS Inst. Org. Chem., Univ. Mainz, Germany

SO Polymer (1992), 33(19), 4029-39

CODEN: POLMAG; ISSN: 0032-3861

DT Journal

LA English

AB Several series of copolymers of different geometry were synthesized from zwitterionic surfactant monomers and polar nonionic comonomers. Bulk properties were investigated by DSC and x-ray scattering. The copolymers were amorphous, but exhibited superstructures up to high comonomer contents. Soly. of the copolymers was detd. as a function of geometry and compn. From the results, a main-chain spacer model was derived. All water-sol. copolymers exhibited characteristic features of classical polysoaps, as shown by surface tension measurements and by solubilization of pyrene. Gradual differences depending on the polymer geometry were obsd. for the solubilization sites.

IT 145583-72-8P

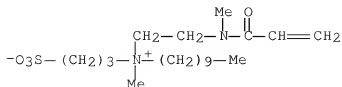
(prepn. and geometry of)

RN 145583-72-8 HCA

CN 1-Decanaminium, N-methyl-N-[2-[methyl(1-oxo-2-propenyl)amino]ethyl]-N-(3-sulfopropyl)-, inner salt, polymer with N,N-dimethyl-2-propenamide (9CI) (CA INDEX NAME)

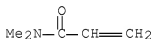
CM 1

CRN 135988-24-8
CMF C20 H40 N2 O4 S



CM 2

CRN 2680-03-7
CMF C5 H9 N O



CC 36-2 (Physical Properties of Synthetic High Polymers)
Section cross-reference(s): 46
IT 9003-05-8P 25249-16-5P 26793-34-0P 30347-69-4P 41488-70-4P
68912-04-9P 107429-41-4P 135988-19-1P 135988-23-7P
135988-25-9P 145583-68-2P 145583-69-3P 145583-70-6P
145583-71-7P 145583-72-8P 145583-73-9P 145583-74-0P
145583-75-1P
(prepn. and geometry of)

L43 ANSWER 10 OF 10 HCA COPYRIGHT 2008 ACS on STN
AN 115:160319 HCA Full-text
OREF 115:27459a,27462a
TI Ampholytic ionomer solution properties from molecular dynamics
AU Watterson, A. C.; Chin, D. N.; Salamone, J. C.
CS Dep. Chem., Univ. Lowell, Lowell, MA, 01854, USA
SO Polymer Preprints (American Chemical Society, Division of Polymer
Chemistry) (1991), 32(1), 89-90
CODEN: ACPPAY; ISSN: 0032-3934
DT Journal
LA English
AB Soln. and flow behavior in H2O or aq. NaCl solns. of acrylamide
copolymers contg. 10% 3-methacrylamidopropyl-N,N-dimethyl-N-

dodecylammonium 2-acrylamido-2-methylpropanesulfonate as comonomer were computer-simulated from mol. dynamics calcsn. Fractional polymer vol. was the same in both solns., but higher radius of gyration and intrinsic viscosity values were obtained in the NaCl soln.

IT 136443-99-7

(flow and soln. properties of, in water or aq. sodium chloride, mol. dynamics computer simulation of)

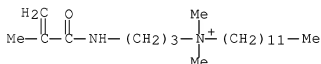
RN 136443-99-7 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, salt with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (1:1), homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 129684-48-6

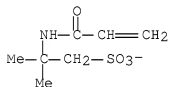
CMF C21 H43 N2 O



CM 2

CRN 58778-72-6

CMF C7 H12 N O4 S



CC 36-7 (Physical Properties of Synthetic High Polymers)

IT 136443-99-7

(flow and soln. properties of, in water or aq. sodium chloride, mol. dynamics computer simulation of)

=> D L44 1-14 BIB ABS HITSTR HITIND

L44 ANSWER 1 OF 14 HCA COPYRIGHT 2008 ACS on STN

AN 126:131902 HCA Full-text

TI Preparation of dispersion of water-soluble cationic polymer and its use as flocculant and paper chemical

IN Takeda, Hisao

PA Hymo Corporation, Japan

SO U.S., 8 pp., Cont.-in-part of U.S. Ser. No. 263,536, abandoned.
CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 5587415	A	19961224	US 1995-502613	199507 14

				<--	
	JP 05032722	A	19930209	JP 1991-211309	199107 30

				<--	
PRAI	JP 1991-211309	A	19910730	<--	
	US 1992-921566	B2	19920729	<--	
	US 1993-153750	B1	19931117	<--	
	US 1994-263536	B2	19940622	<--	
AB	A H2O-sol. cationic (co)polymer dispersion is prepd. by the polymn. of a specified cationic quaternary monomer, which is obtained by quaternization using an C4-10-alkyl halide, optionally with 0-95% another cationic monomer and/or (meth)acrylamide, carried out in a salt soln. which does not dissolve the resulting (co)polymer, and in the presence of a specific cationic polymer dispersant which is sol. in the salt soln. Thus, the copolymn. of acrylamide and acryloyloxyethyltrimethylbutylammonium chloride at 50° for 10 h in the presence of poly(acryloyloxyethyltrimethylammonium chloride) dispersant, ammonium sulfate, and water gave a stable polymer dispersion of viscosity (25°) 2500 cP and particle size 25 µm. Wastewater treated with 15 mg the above polymer dispersion demonstrated a floatation speed 20.8 cm/min, vs. 8.8 cm/min for a com. powder flocculant.				

IT 148912-54-3P

(prepn. of dispersion of water-sol. cationic polymer and its use as flocculant and paper chem.)

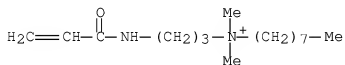
RN 148912-54-3 HCA

CN 1-Octanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-, iodide, polymer with 2-propenamide and N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethanaminium chloride (9CI) (CA INDEX NAME)

CM 1

CRN 148912-53-2

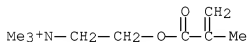
CMF C16 H33 N2 O . I



CM 2

CRN 5039-78-1

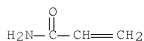
CMF C9 H18 N O2 . Cl



CM 3

CRN 79-06-1

CMF C3 H5 N O



IC ICM C08F002-16
 INCL 524458000
 CC 35-4 (Chemistry of Synthetic High Polymers)
 Section cross-reference(s): 43, 61
 IT 148912-51-0P 148912-54-3P 186344-36-5P
 (prepn. of dispersion of water-sol. cationic polymer and its use
 as flocculant and paper chem.)

L44 ANSWER 2 OF 14 HCA COPYRIGHT 2008 ACS on STN
 AN 126:108992 HCA Full-text
 TI Virus-inactivating coatings for medical goods
 IN Swanson, Melvin J.
 PA Bsi Corporation, USA
 SO PCT Int. Appl., 30 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9639821	A1	19961219	WO 1996-US8797	199606 05
				<--	
	W: AU, CA, JP, MX				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA	2223552	A1	19961219	CA 1996-2223552	199606 05
				<--	
CA	2223552	C	20010313		
AU	9662531	A	19961230	AU 1996-62531	199606 05
				<--	
AU	726764	B2	20001123		
EP	859547	A1	19980826	EP 1996-921275	199606 05
				<--	
EP	859547	B1	20030917		
	R: DE, ES, FR, GB, IT				
JP	11507105	T	19990622	JP 1996-501286	199606

05

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JP 3222471 B2 20011029 JP 1997-501286

199606
05

<--

ES 2208748 T3 20040616 ES 1996-921275

199606
05

<--

PRAI US 1995-482872 A 19950607 <--
WO 1996-US8797 W 19960605 <--

AB Reagents and methods are disclosed for modifying a fabric substrate in order to inactivate viruses, and particularly lipid-enveloped viruses, upon contact. Such substrates can be modified by photochem. immobilizing hydrophilic polymers contg. both quaternary ammonium groups and hydrocarbon chains, resulting in a localized surfactancy capable of disrupting lipid-enveloped viruses upon contact with the substrate. Substrates of the invention can be fabricated into the form of articles for medical and related use.

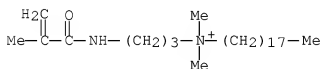
IT 185989-74-6P
 (prepn. of virus-inactivating coating for medical goods)

RN 185989-74-6 HCA
CN 1-Octadecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with benzoylbenzoic acid and 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 110281-82-8

CMF C27 H55 N2 O . C1

● Cl⁻

CM 2

CRN 27458-06-6

CMF C14 H10 O3
CCI IDS

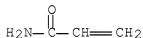


D1-CO₂H



CM 3

CRN 79-06-1
CMF C3 H5 N O



IC ICM A01N025-08
CC 63-8 (Pharmaceuticals)
Section cross-reference(s): 38
IT 185989-62-2P 185989-63-3P 185989-65-5P 185989-67-7P
185989-70-2P 185989-72-4P 185989-74-6P 185989-77-9P
185989-80-4P 185989-81-5P
(prepn. of virus-inactivating coating for medical goods)
L44 ANSWER 3 OF 14 HCA COPYRIGHT 2008 ACS on STN
AN 123:258287 HCA Full-text
TI Phase transition in swollen gels. 21. Effect of acrylamide
quaternary salts with various alkyl lengths on the collapse,
mechanical, and SAXS behavior of poly(acrylamide) networks
AU Ilavsky, M.; Sedlakova, Z.; Bouchal, K.; Plestil, J.
CS Faculty of Mathematics and Physics, Charles University, Czech Rep.
SO Macromolecules (1995), 28(20), 6835-42
CODEN: MAMOBX; ISSN: 0024-9297
PB American Chemical Society

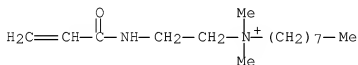
DT Journal
 LA English
 AB A series of ionic networks were prepd. by copolymn. of acrylamide, methylenebisacrylamide, and N-[2-(alkyldimethylammonio)ethyl]acrylamide with C1, C4, C6, C8, C12, and C16 straight-chain alkyls (mole fraction of the last comonomer $x_1 = 0-0.15$). Small-angle x-ray scattering, swelling, and mech. behavior of the networks were investigated in water ethanol mixts. For the gels with C1-C8 alkyls collapse was found; both the vol. jump and the crit. ethanol concn. at which the transition takes place, ec , increase with increasing content of the ionic component, x_1 . Increasing the alkyl length stabilizes the expanded state of the gel and increases the ec values, probably due to preferential sorption of ethanol by hydrophobic regions. Different swelling behavior was found for gels with C12 and C16 alkyls, where mostly a decrease in swelling in water at low ethanol concns. was obsd. with increasing x_1 . This is caused by a distinct amphiphilic character of salts with the two longest alkyls; in networks with the C16 alkyl formation of micelles was proved by SAXS. Mech. behavior of the networks is predominantly detd. by the degree of swelling; a jumpwise change in the gel vol. is accompanied by a similar change in the equil. modulus.

IT 169176-79-8 169176-80-1 169176-82-3
 (effect of acrylamide quaternary salts with various alkyl lengths on the collapse, mech., and SAXS behavior of poly(acrylamide) network gels)

RN 169176-79-8 HCA
 CN 1-Octanaminium, N,N-dimethyl-N-[2-[(1-oxo-2-propenyl)amino]ethyl]-, bromide, polymer with N,N'-methylenebis[2-propenamide] and 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 169176-78-7
 CMF C15 H31 N2 O . Br

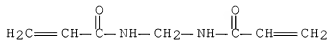


● Br⁻

CM 2

CRN 110-26-9

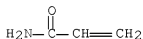
CMF C7 H10 N2 O2



CM 3

CRN 79-06-1

CMF C3 H5 N O



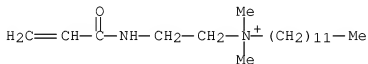
RN 169176-80-1 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[2-[(1-oxo-2-propenyl)amino]ethyl]-, bromide, polymer with N,N'-methylenebis[2-propenamide] and 2-propenamide (9CI) (CA INDEX NAME)

CM 1

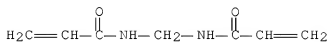
CRN 15827-05-1

CMF C19 H39 N2 O . Br



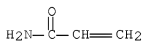
CM 2

CRN 110-26-9
CMF C7 H10 N2 O2



CM 3

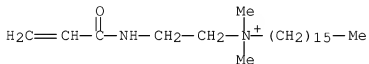
CRN 79-06-1
CMF C3 H5 N O



RN 169176-82-3 HCA
CN 1-Hexadecanaminium, N,N-dimethyl-N-[2-[(1-oxo-2-propenyl)amino]ethyl]-, bromide, polymer with N,N'-methylenebis[2-propenamide] and 2-propenamide (9CI) (CA INDEX NAME)

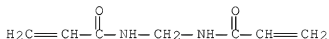
CM 1

CRN 169176-81-2
CMF C23 H47 N2 O . Br



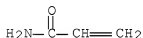
CM 2

CRN 110-26-9
CMF C7 H10 N2 O2



CM 3

CRN 79-06-1
CMF C3 H5 N O



CC 36-7 (Physical Properties of Synthetic High Polymers)
IT 25034-58-6 169176-75-4 169176-77-6 169176-79-3
169176-80-1 169176-82-3
(effect of acrylamide quaternary salts with various alkyl lengths
on the collapse, mech., and SAXS behavior of poly(acrylamide)
network gels)

L44 ANSWER 4 OF 14 HCA COPYRIGHT 2008 ACS on STN
AN 121:36662 HCA Full-text
OREF 121:6783a,6786a
TI Effect of surfactants on the solution properties of hydrophobically
modified, cationic polyacrylamides
AU Chang, Yihua; McCormick, Charles L.
CS Dep. Polym. Sci., Univ. South. Mississippi, Hattiesburg, MS,
39406-0076, USA
SO Polymer Preprints (American Chemical Society, Division of Polymer
Chemistry) (1993), 34(1), 992-3
CODEN: ACPPAY; ISSN: 0032-3934
DT Journal
LA English
AB The effects of tetradecyltrimethylammonium bromide, SDS, or Triton X-
100 on soln. properties of acrylamide-N,N-dimethyl-N-dodecyl-N-(2-
acrylamidoethyl)-ammonium bromide copolymer at a surfactant concn.
ranging from below to above the crit. micelle concn. of the

surfactant in pure water were reported. Rheol. behavior of this polymer as a function of surfactant type, and distribution of hydrophobic groups was investigated. Complimentary data obtained by pyrene probe fluorescence are also presented.

IT 150773-72-1

(properties of solns. of, effect of surfactants on)

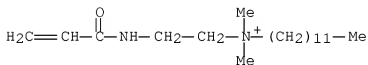
RN 150773-72-1 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[2-[(1-oxo-2-propenyl)amino]ethyl]-, bromide, polymer with 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 15827-05-1

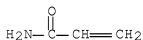
CMF C19 H39 N2 O . Br



CM 2

CRN 79-06-1

CMF C3 H5 N O



CC 36-7 (Physical Properties of Synthetic High Polymers)

Section cross-reference(s): 46

IT 150773-72-1

(properties of solns. of, effect of surfactants on)

L44 ANSWER 5 OF 14 HCA COPYRIGHT 2008 ACS on STN

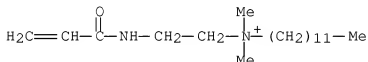
AN 120:219174 HCA Full-text

OREF 120:38949a,38952a

TI Water-Soluble Copolymers. 50. Effect of Surfactant Addition on the

Solution Properties of Amphiphilic Copolymers of Acrylamide and Dimethyldodecyl(2-acrylamidoethyl)ammonium Bromide

AU Chang, Yihua; Lochhead, Robert Y.; McCormick, Charles L.
 CS Department of Polymer Science, University of Southern Mississippi,
 Hattiesburg, MS, 39406-0076, USA
 SO Macromolecules (1994), 27(8), 2145-50
 CODEN: MAMOBX; ISSN: 0024-9297
 DT Journal
 LA English
 AB The interactions of surfactants sodium dodecyl sulfate (SDS), trimethyltetradecylammonium bromide (TTAB), and Triton X-100 with amphiphilic copolymers of acrylamide and dimethyldodecyl(2-acrylamidoethyl)ammonium bromide (DAMAB) have been investigated in aq. solns. The rheol. properties of a copolymer/surfactant system are affected by both the microstructure of the copolymer and the nature of the surfactant. Addn. of the nonionic surfactant, Triton X-100, resulted in a large increase in the reduced viscosity for the microblocky copolymers with 5 mol % DAMAB, while a random copolymer with the same compn. exhibited a collapsed conformation in the presence of the cationic surfactant, TTAB. A strong viscosity enhancement was obsd. when SDS was added to the soln. of a copolymer contg. 0.32 mol % DAMAB. Evidence of mixed micelles formed by surfactant mols. and the hydrophobic groups of the copolymers was obtained utilizing surface tension, pyrene probe fluorescence, and viscometry.
 IT 150773-72-1 153634-19-6
 (soln. properties of, in presence of surfactants)
 RN 150773-72-1 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[2-[(1-oxo-2-propenyl)amino]ethyl]-, bromide, polymer with 2-propenamide (9CI) (CA INDEX NAME)
 CM 1
 CRN 15827-05-1
 CMF C19 H39 N2 O . Br

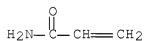


● Br⁻

CM 2

CRN 79-06-1

CMF C3 H5 N O



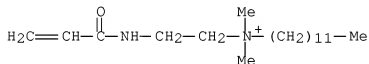
RN 153634-19-6 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[2-[(1-oxo-2-propenyl)amino]ethyl]-, bromide, polymer with 2-propenamide, block (9CI) (CA INDEX NAME)

CM 1

CRN 15827-05-1

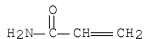
CMF C19 H39 N2 O . Br



CM 2

CRN 79-06-1

CMF C3 H5 N O

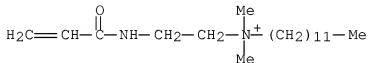


CC 36-7 (Physical Properties of Synthetic High Polymers)

IT 150773-72-1 153634-19-6

(soln. properties of, in presence of surfactants)

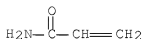
L44 ANSWER 6 OF 14 HCA COPYRIGHT 2008 ACS on STN
AN 120:31331 HCA Full-text
OREF 120:5929a,5932a
TI Synthesis and solution characterization of cationic, hydrophobically
modified acrylamide copolymers
AU Chang, Yihua; McCormick, Charles L.
CS Dep. Polym. Sci., Univ. South. Mississippi, Hattiesburg, MS,
39406-0076, USA
SO Polymer Preprints (American Chemical Society, Division of Polymer
Chemistry) (1992), 33(2), 202-3
CODEN: ACPPAY; ISSN: 0032-3934
DT Journal
LA English
AB Modified acrylamide monomer, CH₂=CHC(O)NH(CH₂)₂N+Me₂(CH₂)₁₁CH₃Br- was
prepd. and polymd. with acrylamide in water optionally contg.
cetyltrimethylammonium bromide (I) in the presence of K₂S₂O₈
initiator. Apparent viscosity values of the copolymers having
different monomer ratios and synthesized in the presence or absence
of I in water are detd.
IT 150773-72-1P
(prepn. and apparent viscosity of, effect of copolymer concn. and
external cationic surfactant on)
RN 150773-72-1 HCA
CN 1-Dodecanaminium, N,N-dimethyl-N-[2-[(1-oxo-2-propenyl)amino]ethyl]-
, bromide, polymer with 2-propenamide (9CI) (CA INDEX NAME)
CM 1
CRN 15827-05-1
CMF C19 H39 N2 O . Br



● Br⁻

CM 2

CRN 79-06-1
CMF C3 H5 N O



CC 35-4 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 36

IT 150773-72-1P
(prepn. and apparent viscosity of, effect of copolymer concn. and
external cationic surfactant on)

L44 ANSWER 7 OF 14 HCA COPYRIGHT 2008 ACS on STN
AN 119:203911 HCA [Full-text](#)
OREF 119:36395a,36398a

TI Water-soluble copolymers. 49. Effect of the distribution of the
hydrophobic cationic monomer dimethyldodecyl(2-
acrylamidoethyl)ammonium bromide on the solution behavior of
associating acrylamide copolymers

AU Chang, Yihua; McCormick, Charles L.
CS Dep. Polym. Sci., Univ. South. Mississippi, Hattiesburg, MS,
39406-0076, USA

SO Macromolecules (1993), 26(22), 6121-6
CODEN: MAMOBX; ISSN: 0024-9297

DT Journal
LA English

AB A novel water-sol. monomer, dimethyldodecyl(2-
acrylamidoethyl)ammonium bromide (I), was synthesized. This monomer
possesses a crit. micelle concn. of 4.9×10^{-3} M. A series of
copolymers of I with acrylamide (II) were prepd. by radical copolymn.
by micellar and soln. techniques. The rheol. properties of the
copolymers were strongly affected by their microstructures. A random
copolymer with 5% of I obtained by soln. polymn. in tert-Bu alc.
showed a tendency for intramol. hydrophobic assocn., while
microheterogeneous copolymn. of II with 5% and 10% of I in water
yielded microblock structures which promoted intermol. assocn. of
hydrophobes. The intermol. assocn. was enhanced by increasing the
length of the hydrophobic block and/or the no. of blocks in the
polymer chain. Evidence of hydrophobic microdomains was obtained
using pyrene probe fluorescence.

IT 150773-72-1P
(prepn. and soln. behavior of)

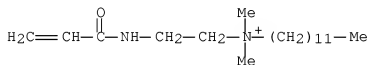
RN 150773-72-1 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[2-[(1-oxo-2-propenyl)amino]ethyl]-
, bromide, polymer with 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 15827-05-1

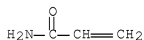
CMF C19 H39 N2 O . Br



CM 2

CRN 79-06-1

CMF C3 H5 N O



CC 35-2 (Chemistry of Synthetic High Polymers)

IT 150773-72-1P

(prepn. and soln. behavior of)

L44 ANSWER 8 OF 14 HCA COPYRIGHT 2008 ACS on STN

AN 119:73330 HCA [Full-text](#)

OREF 119:13237a,13240a

TI Process for the preparation of dispersion of water-soluble cationic
polymer

IN Takeda, Hisao

PA Hymo Corp., Japan

SO Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	----	-----	
PI	EP 525751	A1	19930203	EP 1992-112954	199207 29
				<--	
	EP 525751	B1	19970625		
	R: DE, ES, FR, GB, NL, SE				
	JP 05032722	A	19930209	JP 1991-211309	199107 30
				<--	
	CA 2074758	A1	19930131	CA 1992-2074758	199207 28
				<--	
	CA 2074758	C	20020604		
	AU 9220598	A	19930204	AU 1992-20598	199207 29
				<--	
	AU 657556	B2	19950316		
	ES 2103015	T3	19970816	ES 1992-112954	199207 29
				<--	
	CN 1084859	A	19940406	CN 1992-111157	199209 30
				<--	
	CN 1042037	B	19990210		
PRAI	JP 1991-211309	A	19910730	<--	
AB	Copolymn. of a cationic quaternary monomer (obtained by quaternization using alkyl halide or 2-haloethylbenzene) with another cationic monomer and/or (meth)acrylamide in a salt soln., which does not dissolve the product and in the presence of a cationic polymer dispersant sol. in the salt soln., gives cationic polymer useful as a flocculant or dehydrating agent in waste water treatment and paper manuf. Addn. of acrylamide 65.8 and acryloyloxyethyltrimethylbutylammonium chloride (90% aq. soln.) 26.9 to a dispersant soln. contg. acryloyloxyethyltrimethylammonium chloride homopolymer 2.7, ammonium sulfate 112.3, and water 392.3 g, heating to 50°, adding initiator, and polymg. at 50° for 10 h with stirring gave finely dispersed particles in salt soln. having a viscosity (25°) 2500 cP.				
IT	148912-54-3P	148912-56-5P			

(prepn. of, finely dispersed particles in salt soln.)

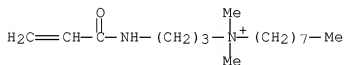
RN 148912-54-3 HCA

CN 1-Octanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amin]propyl]-, iodide, polymer with 2-propenamide and N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethanaminium chloride (9CI) (CA INDEX NAME)

CM 1

CRN 148912-53-2

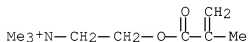
CMF C16 H33 N2 O . I



CM 2

CRN 5039-78-1

CMF C9 H18 N O2 . Cl



CM 3

CRN 79-06-1

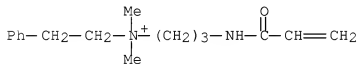
CMF C3 H5 N O



RN 148912-56-5 HCA
 CN Benzeneethanaminium, N,N-dimethyl-N-[3-[(1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 2-propenamide and N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]ethanaminium chloride (9CI)
 (CA INDEX NAME)

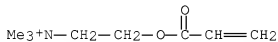
CM 1

CRN 148912-55-4
 CMF C16 H25 N2 O . Cl



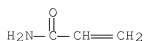
CM 2

CRN 44992-01-0
 CMF C8 H16 N O2 . Cl



CM 3

CRN 79-06-1
 CMF C3 H5 N O



IC ICM C08F020-60
 CC 35-4 (Chemistry of Synthetic High Polymers)
 IT 148912-51-0P 148912-52-1P 148912-54-3P
 148912-56-5P
 (prepn. of, finely dispersed particles in salt soln.)

L44 ANSWER 9 OF 14 HCA COPYRIGHT 2008 ACS on STN
 AN 116:107033 HCA Full-text
 OREF 116:18147a,18150a
 TI Cationic hydrophobic monomers and polymers
 IN Peiffer, Dennis G.
 PA Exxon Research and Engineering Co., USA
 SO U.S., 9 pp. Cont.-in-part of U.S. Ser. No. 135,827, abandoned.
 CODEN: USXXAM

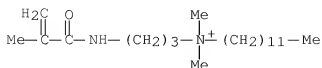
DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	
PI	US 5071934	A	19911210	US 1989-376273	198907 03

PRAI US 1987-135827 B2 19871221 <--
 AB The title polymers, contg. an alkyl moiety of variable carbon length and useful as rheol. control additives in drilling fluids, are prepd. Thus, stirring acrylamide 47, H2C:CHMeCONH(CH2)3N+Me2(CH2)11 Me·Br-2.6, and 2,2'-azobis(2,4-dimethyl-4- methoxyvaleronitrile) 0.11 g in 500 mL H2O gave polymers which possessed rheol. properties markedly different from conventional cationic polyelectrolytes.
 IT 131757-06-7P
 (prepn. of, for rheol. control additives as, for drilling fluids)
 RN 131757-06-7 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, bromide, polymer with 2-propenamide (9CI)
 (CA INDEX NAME)

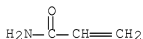
CM 1

CRN 129684-50-0
CMF C21 H43 N2 O . Br



CM 2

CRN 79-06-1
CMF C3 H5 N O



IC ICM C08F020-60
INCL 526307000
CC 35-4 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 36, 51
IT 131757-06-7P
(prepn. of, for rheol. control additives as, for drilling fluids)

L44 ANSWER 10 OF 14 HCA COPYRIGHT 2008 ACS on STN
AN 114:123542 HCA [Full-text](#)
OREF 114:21061a,21064a
TI Solid state characterization of the structure of rodlike micelles
and their mixtures with associating polymers
AU Peiffer, D. G.
CS Exxon Res. and Eng. Co., Annandale, NJ, 08801, USA
SO Polymer (1991), 32(1), 134-9
CODEN: POLMAG; ISSN: 0032-3861
DT Journal
LA English
AB The morphol. of a series of solid-state films of colloidal rodlike
micelles, covering a range of hydrophobic activity was studied by
small-angle light scattering (SALS) complemented by polarized light

microscopy. The SALS results on the colloidal rodlike micelles parallel those formed in rodlike polymers. A comparison with theor. calcns. shows that the individualized rodlike structures in soln. aggregate into a supermol. rodlike structure which is preserved in the cong. process. The exptl. obsd. anisotropic patterns are discussed in terms of scattering models and are related to the way in which the rodlike entities are oriented in the supermol. rodlike morphol. The anal. is extended to include intimate mixts. of colloidal rodlike micelles and hydrophobically (and nonhydrophobically) assocg. water-sol. copolymers.

IT 131757-06-7

(intimate mixts. with rodlike micelles, solid-state films, morphol. of)

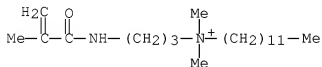
RN 131757-06-7 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, bromide, polymer with 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 129684-50-0

CMF C21 H43 N2 O . Br



CM 2

CRN 79-06-1

CMF C3 H5 N O



CC 36-7 (Physical Properties of Synthetic High Polymers)

Section cross-reference(s): 66

IT 131757-06-7 131789-46-3
(intimate mixts. with rodlike micelles, solid-state films,
morphol. of)

L44 ANSWER 11 OF 14 HCA COPYRIGHT 2008 ACS on STN

AN 114:82992 HCA Full-text

OREF 114:14189a,14192a

TI Hydrophobically associating polymers and their interactions with
rodlike micelles

AU Peiffer, D. G.

CS Corp. Res. Lab., Exxon Res. and Eng. Co., Annandale, NJ, 08801, USA

SO Polymer (1990), 31(12), 2353-60

CODEN: POLMAG; ISSN: 0032-3861

DT Journal

LA English

AB Several families of anionic and cationic hydrophobically assocg.
acrylamide-based copolymers are synthesized. The study focuses on
the characterization in aq. environments of water-sol. copolymers in
which low levels of alkyl, i.e. methylene, units are incorporated
into the polymer chain structure. These hydrophobic monomers have
built-in surfactant character; therefore, no non-polymerizable
surfactants are required in the prepn. of these copolymer materials.
These hydrophobically assocg. copolymers possess both polyelectrolyte
and hydrophobic character, esp. as the ionic strength of the soln. is
varied. Even at low concns. of hydrophobe (typically ≤ 1 mol%),
interesting soln. properties are obsd., i.e., enhanced rheol. as
compared to its non-assocg. parent, marked time-dependent rheol. at
low shear rates, "anti-polyelectrolyte effect" in high-ionic-strength
solns., and the ability to interact preferentially with
hydrophobically assocg. rodlike micelles. These latter materials are
capable of forming highly viscoelastic solns. themselves. The rheol.
properties of these latter soln. mixts. are very sensitive to the
fraction of each component in the mixt. and to the length of the
alkyl chain copolynd. into the acrylamide chain backbone.

IT 131757-06-7P

(prepn. and aq. assocn. properties of)

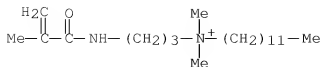
RN 131757-06-7 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-
propenyl)amino]propyl]-, bromide, polymer with 2-propenamide (9CI)
(CA INDEX NAME)

CM 1

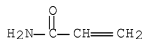
CRN 129684-50-0

CMF C21 H43 N2 O . Br



CM 2

CRN 79-06-1
CMF C3 H5 N O



CC 36-7 (Physical Properties of Synthetic High Polymers)
IT 131757-06-7P 131789-44-1P 131789-46-3P 131809-40-0DP,
hydrolyzed 131809-40-0P 132041-71-5P 132041-72-6P
132041-73-7P 132041-74-8P 132041-75-9P 132041-76-0P
132055-54-0P 132055-55-1P 132055-56-2P 132055-57-3P
132055-58-4P 132055-59-5P
(prepn. and aq. assocn. properties of)

L44 ANSWER 12 OF 14 HCA COPYRIGHT 2008 ACS on STN
AN 114:65594 HCA Full-text
OREF 114:11193a,11196a
TI Acid viscosifier compositions
IN Fan, You Ling; Brode, George L.; Stanley, James P.
PA Union Carbide Chemicals and Plastics Co., Inc., USA
SO U.S., 11 pp. Cont. of U.S. Ser. No. 864,204, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 4959432	A	19900925	US 1988-220784	

198807

CA 1302003

C

19920526

CA 1987-536061

198704

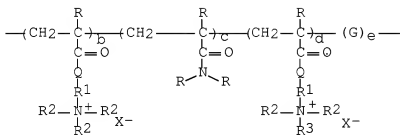
30

PRAI US 1986-864204

B1

19860519 <--

GI



AB A cationic polymer of the formula I, where R = H or Me; R1 = a linear or branched C2-4 alkylene radical; R2 = H, Me, or Et; R3 = a C8-18 linear or branched alkyl group; Q = NR or O; G = a residual unit derived from a polyunsatd. monomer; X- = a halogen ion (F, Cl, Br, I) or an alkyl sulfate ion; b = 30-50 mol%; c = 50-70 mol%; d = 0.1-2 mol%; and e = 0-0.5 mol%, is useful as a viscosifying agent to thicken acid solns. that are used in gas and oil well acidizing operations. Suitable cationic polymers comprise methacrylamidopropyl-trimethylammonium chloride, acylamide, methacrylamidopropyldimethyl-C8-16-alkyl-ammonium chloride, and/or ethyleneglycol dimethacrylate units.

IT 131628-92-7P 131628-93-8P 131628-94-9P

131628-95-0P

(prepn. of, viscosifier, for acid solns., in gas and petroleum well acidizing)

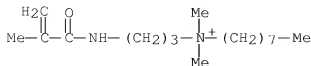
RN 131628-92-7 HCA

CN 1-Octanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 2-propenamide and N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-1-propanaminium (9CI) (CA INDEX NAME)

CM 1

CRN 126758-28-9

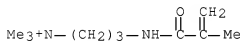
CMF C17 H35 N2 O . Cl



CM 2

CRN 51441-64-6

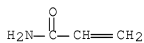
CMF C10 H21 N2 O



CM 3

CRN 79-06-1

CMF C3 H5 N O



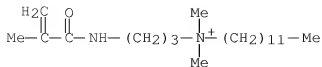
RN 131628-93-8 HCA

CRN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 2-propenamide and N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-1-propanaminium (9CI) (CA INDEX NAME)

CM 1

CRN 126758-30-3

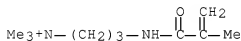
CMF C21 H43 N2 O . Cl



CM 2

CRN 51441-64-6

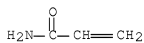
CMF C10 H21 N2 O



CM 3

CRN 79-06-1

CMF C3 H5 N O



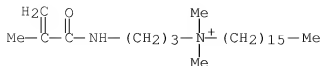
RN 131628-94-9 HCA

CRN 1-Hexadecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 2-propenamide and N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-1-propanaminium (9CI) (CA INDEX NAME)

CM 1

CRN 87667-80-9

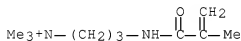
CMF C25 H51 N2 O . Cl



CM 2

CRN 51441-64-6

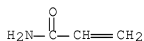
CMF C10 H21 N2 O



CM 3

CRN 79-06-1

CMF C3 H5 N O



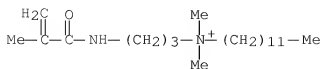
RN 131628-95-0 HCA

CRN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 1,2-ethanediyl bis(2-methyl-2-propenoate), 2-propenamide and N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-1-propanaminium (9CI) (CA INDEX NAME)

CM 1

CRN 126758-30-3

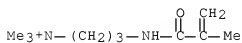
CMF C21 H43 N2 O . Cl



CM 2

CRN 51441-64-6

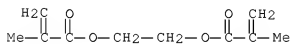
CMF C10 H21 N2 O



CM 3

CRN 97-90-5

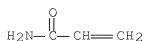
CMF C10 H14 O4



CM 4

CRN 79-06-1

CMF C3 H5 N O



IC ICM C08F220-34
ICS C08F220-60
INCL 526287000
CC 51-2 (Fossil Fuels, Derivatives, and Related Products)
IT 58627-30-8P, Acrylamide-methacrylamidopropyltrimethylammonium
chloride copolymer 72275-68-4P 114859-64-2P 126758-33-6P
126758-34-7P 126817-08-1P 126817-09-2P 126817-10-5P
131628-92-7P 131628-93-8P 131628-94-9P
131628-95-0P 131628-96-1P 131628-97-2P
(prepn. of, viscosifier, for acid solns., in gas and petroleum
well acidizing)

L44 ANSWER 13 OF 14 HCA COPYRIGHT 2008 ACS on STN

AN 114:63556 HCA Full-text

OREF 114:10901a,10904a

TI Compatible mixtures of cationic viscoelastic monomer fluids and
cationic-alkyl containing copolymers

IN Peiffer, Dennis G.

PA Exxon Research and Engineering Co., USA

SO U.S., 17 pp.

CODEN: USXXXM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	
PI	US 4960821	A	19901002	US 1987-135824	198712 21

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PRAI US 1987-135824 19871221 <--

AB The title mixts., useful as viscosifiers in low concn. and high brine
concns., comprise water, C7-23-alkyldimethylpropenylammonium
methylsalicylates (I) 0.1-2.0%, and 90.0-99.9:0.1-10.0 acrylamide-
(acrylamidopropyl) C7-23-alkyldimethylammonium bromide copolymers
(II) in 1-10:10-1 I:II ratio.

IT 131757-06-7

(mixts. with propenylammonium methylsalicylates, as viscosifiers)

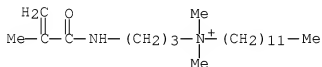
RN 131757-06-7 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, bromide, polymer with 2-propenamide (9CI)
(CA INDEX NAME)

CM 1

CRN 129684-50-0

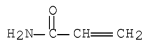
CMF C21 H43 N2 O . Br



CM 2

CRN 79-06-1

CMF C3 H5 N O



IC ICM C08L051-00

INCL 524534000

CC 37-6 (Plastics Manufacture and Processing)

IT 131757-06-7

(mixts. with propenylammonium methylsalicylates, as viscosifiers)

L44 ANSWER 14 OF 14 HCA COPYRIGHT 2008 ACS on STN

AN 112:201879 HCA [Full-text](#)

OREF 112:34087a,34090a

TI Gelable acid viscosifiers

IN Fan, You Ling; Stanley, James P.; Brode, George L.

PA Union Carbide Chemicals and Plastics Co., Inc., USA

SO U.S., 16 pp. Cont. of U.S. Ser. No. 864,273, abandoned.

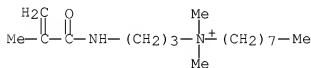
CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	
PI	US 4889887	A	19891226	US 1988-159826	198802 22
				<--	
	CA 1308898	C	19921020	CA 1987-536064	198704 30
				<--	
PRAI	US 1986-864273	A1	19860519	<--	
AB	A gelable acidic compn., suitable for acidizing a subterranean formation, comprises (a) an aq. acid soln., (b) a water-sol. acrylamide-type polymer, e.g., acrylamide-methacrylamidopropyltrimethylammonium chloride copolymer, and (c) a polyfunctional reactant capable of crosslinking the water-sol. polymer, e.g., an alkylated or partially alkylated monomeric and oligomeric urea formaldehyde resin.				
IT	126758-29-0P 126758-31-4P 126758-32-5P				
	(prepn. of, gelable acid viscosifier, for acidizing of petroleum and gas formations)				
RN	126758-29-0 HCA				
CN	1-Octanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 2-propenamide and N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-1-propanaminium chloride (9CI) (CA INDEX NAME)				
CM	1				
CRN	126758-28-9				
CMF	C17 H35 N2 O . Cl				

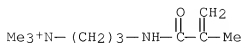


● Cl-

CM 2

CRN 51410-72-1

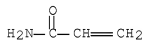
CMF C10 H21 N2 O . Cl



CM 3

CRN 79-06-1

CMF C3 H5 N O



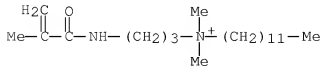
RN 126758-31-4 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 2-propenamide and N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-1-propanaminium chloride (9CI) (CA INDEX NAME)

CM 1

CRN 126758-30-3

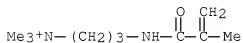
CMF C21 H43 N2 O . Cl



CM 2

CRN 51410-72-1

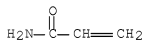
CMF C10 H21 N2 O . C1



CM 3

CRN 79-06-1

CMF C3 H5 N O



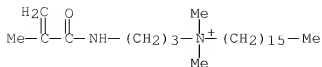
RN 126758-32-5 HCA

CN 1-Hexadecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with 2-propenamide and N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-1-propanaminium chloride (9CI) (CA INDEX NAME)

CM 1

CRN 87667-80-9

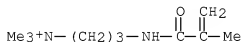
CMF C25 H51 N2 O . C1



CM 2

CRN 51410-72-1

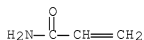
CMF C10 H21 N2 O . Cl



CM 3

CRN 79-06-1

CMF C3 H5 N O



IC ICM C08K003-16

ICS C08K005-09; C08L039-00

INCL 524510000

CC 51-2 (Fossil Fuels, Derivatives, and Related Products)

IT 38193-60-1P, Acrylamide-sodium-2-acrylamido-2-methylpropane

sulfonate copolymer 58627-30-8P, Acrylamide-

methacrylamidopropyltrimethylammonium chloride copolymer

72275-68-4P 75150-29-7P 84647-38-1P 102773-04-6P

102822-69-5P 114859-64-2P 126753-23-6P
 126753-31-4P 126758-32-5P 126758-33-6P
 126758-34-7P 126758-35-8P 126791-62-6P 126791-63-7P
 126791-64-8P 126791-65-9P 126817-08-1P 126817-09-2P
 126817-10-5P

(prepn. of, gelable acid viscosifier, for acidizing of petroleum
 and gas formations)

=> D L45 1-26 BIB ABS HITSTR HITIND

L45 ANSWER 1 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 147:125795 HCA Full-text

TI Use of film-forming hair care polymers for pharmaceutical
 preparations and patches comprising such polymers

IN Zurdo Schroeder, Ines; Franke, Patrick; Bracht, Stefan

PA Bayer Schering Pharma Aktiengesellschaft, Germany

SO Eur. Pat. Appl., 25pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	
PI	EP 1800671	A1	20070627	EP 2005-90347	200512 23

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 IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK,
 TR, AL, BA, HR, MK, YU

WO 2007077029 A1 20070712 WO 2006-EP12635

200612
19

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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA,
 CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
 GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE,
 KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY,
 MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
 PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV,
 SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,
 ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
 IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,

TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
 ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 US 20070248658 A1 20071025 US 2006-643948

200612
 22

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PRAI EP 2005-90347 A 20051223 <--
 EP 2006-90023 A 20060203
 US 2006-764796P P 20060203

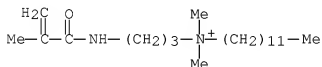
AB The invention concerns the use of film-forming hair care polymers for topical and transdermal drug delivery systems, e.g. patches. Various film forming polymers, esp. DynamX are selected for formulations with drugs, solvents, plasticizers, moisturizers, emulsifiers and permeation enhancers. Thus a typical compn. contains (wt./wt.%): DynamX 10; tri-Et citrate 1; ethanol 89; drug 5.

IT 306769-73-3, Styleze w 20
 (use of film-forming hair care polymers for pharmaceutical preps. and patches comprising such polymers)

RN 306769-73-3 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

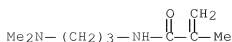
CRN 126758-30-3
 CMF C21 H43 N2 O . C1



● C1-

CM 2

CRN 5205-93-6
 CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



CC 63-6 (Pharmaceuticals)

Section cross-reference(s): 62

IT 50-21-5, Lactic acid, biological studies 50-23-7, Hydrocortisone
 50-27-1, Estriol 50-28-2, Estradiol, biological studies 50-56-6,
 Oxytocin, biological studies 51-21-8, 5-Fluorouracil 51-34-3,
 Scopolamine 52-76-6, Lynestrenol 53-16-7, Estron, biological
 studies 53-86-1, Indomethacin 54-11-5, Nicotine 54-42-2,
 Idoxuridin 55-56-1, Chlorohexidine 55-63-0, Nitroglycerin
 57-13-6, Urea, biological studies 57-67-0, Sulphaguanidine
 57-83-0, Progesterone, biological studies 58-15-1, Aminopyrine
 58-22-0, Testosterone 59-05-2, Methotrexate 59-46-1, Procain
 64-17-5, Ethanol, biological studies 67-63-0, Isopropanol,
 biological studies 67-64-1, Acetone, biological studies 68-22-4,
 Norethisterone 69-72-7, Salicylic acid, biological studies
 70-00-8, Trifluridine 72-33-3, Mestranol 76-25-5, Triamcinolone
 acetone 85-79-0, Cinchocaine 87-00-3, Homatropine 87-33-2,
 Isosorbide dinitrate 93-97-0, Benzoyl benzoate 94-36-0, Benzoyl
 peroxide, biological studies 98-92-0, Nicotinamide 106-60-5,
 5-Aminolevulinic acid 110-17-8D, Fumaric acid, esters 112-38-9,
 Undecylenic acid 113-45-1, Methylphenidate 114-07-8,
 Erythromycin 119-04-0, Neomycin B 123-31-9, Hydroquinone,
 biological studies 123-99-9, Azelaic acid, biological studies
 126-07-8, Griseofulvin 131-16-8, Dipropyl phthalate 137-58-6,
 Lidocaine 141-78-6, Ethyl acetate, biological studies 149-91-7,
 Gallic acid, biological studies 152-43-2, Quinestrol 152-62-5,
 Dydrogesterone 152-97-6, Fluocortolon 302-79-4, Tretinoin

382-67-2, Desoximetason 427-51-0 437-38-7, Fentanyl 439-14-5,
 Diazepam 442-16-0, Ethacridine 443-48-1, Metronidazole
 446-86-6, Azathioprin 465-65-6, Naloxone 471-53-4D,
 18 β -Glycyrrhetic acid, Zn-derivs. 494-12-2D, Flavan, derivs.
 525-66-6, Propranolol 530-78-9 551-11-1, Dinoprost 588-59-0D,
 Stilbene, derivs. 977-79-7, Medrogestone 1066-17-7, Colistin
 1143-38-0, Cignolin 1397-89-3, Amphotericin B
 1400-61-9, Nystatin 1403-66-3, Gentamycin 1404-26-8, Polymyxin B
 1404-88-2, Tyrothricin 1405-87-4, Bacitracin 2022-85-7,
 Flucytosin 3380-34-5, Triclosan 3670-68-6, Propipocaine
 3764-87-2 4205-90-7, Clonidin 4759-48-2, Isotretinoin
 4945-47-5, Bامipin 5306-85-4, Dimethylisossorbide 5536-17-4,
 Vidarabine 5633-20-5, Oxybutynin 6506-37-2, Nimorazole
 6990-06-3 7681-93-8, Natamycin 7732-18-5, Water, biological
 studies 7759-35-5, Nestorone 8025-81-8, Spiramycin 8063-07-8,
 Kanamycin 9002-64-6, Parathormone 9002-92-0, Polidocanol
 9004-10-8, Insulin, biological studies 9005-49-6, Heparin,
 biological studies 10118-90-8, Minocyclin 10405-02-4, Trosium
 chloride 12650-69-0, Mupirocin 13463-41-7, Zinc-Pyrithione
 15183-37-6, Estetrol 15307-79-6, Diclofenac sodium 15686-51-8,
 Clemastine 15686-71-2, Cephalixin 15687-27-1, Ibuprofen
 17230-88-5, Danazol 18323-44-9, Clindamycin 19387-91-8,
 Tinidazol 21679-14-1, Fludarabine 22071-15-4, Ketoprofen
 22204-53-1, Naproxen 22298-29-9, Betamethasone-17-benzoate
 24749-37-9, Estrane 25035-26-1, Luviset ca 66 25122-46-7,
 Clobetasol propionate 26062-56-6, Ultrahold Strong 27523-40-6,
 Isoconazole 29342-05-0, Ciclopirox 29656-58-4, Phenolcarboxylic
 acid 30516-87-1, Zidovudine 32986-56-4, Tobramycin 34580-13-7,
 Ketotifen 34911-55-2, Bupropion 35189-28-7, Norgestimate
 36322-90-4, Piroxicam 37517-28-5, Amikacin 38139-93-4, Luviset
 clear 39809-25-1 42257-18-1, Testosterone dipropionate
 42399-41-7, Diltiazem 51022-69-6, Amcinonide 51384-51-1,
 Metoprolol 53016-31-2, Norelgestromin 53783-83-8, Tromantadine
 54048-10-1, Etonogestrel 54578-91-5, Gantrez es 435 55079-83-9,
 Acitretin 55985-32-5, Nicardipine 56091-51-1, Gantrez ES 335I
 56391-56-1, Netilmicin 57333-96-7, Tacalcitol 57460-41-0,
 Talinolol 59122-46-2, Misoprostol 59198-70-8, Diflucortolone
 valerate 59277-89-3, Aciclovir 59467-70-8, Midazolam
 60325-46-4, Sulprostone 62571-86-2 64318-79-2, Gemeprost
 65277-42-1, Ketoconazole 65472-88-0, Naftifine 65928-58-7,
 Dienogest 67016-70-0, Amphomer 67392-87-4, Drospirenone
 67724-93-0, Omnirez 2000 67952-88-9, Avalure UR 450 68047-06-3,
 Hydroxytamoxifen 73771-04-7, Prednicarbate 74103-06-3, Ketorolac
 78613-35-1, Amorolfine 79217-60-0, Cyclosporin 79516-68-0,
 Levocabastine 79794-75-5, Loratadine 80214-83-1, Roxithromycin
 81103-11-9, Clarithromycin 83799-24-0, Fexofenadine 83881-51-0,
 Cetirizine 83919-23-7, Mometasone furoate 84449-90-1

84625-61-6, Itraconazole 86386-73-4, Fluconazole 86401-95-8,
Methylprednisolone aceponate 87233-61-2, Emedastine 90566-53-3,
Fluticasone 91161-71-6, Terbinafine 98319-26-7, Finasteride
99755-59-6, Rotigotine 102972-64-5, Gaffix vc 713 104987-11-3,
Tacrolimus 106685-40-9, Adapalene 108612-45-9, Mizolastine
112965-21-6, Calcipotriol 118292-40-3, Tazarotene 128794-94-5,
Mycophenolatemofetil 131954-48-8, Gafquat hs 100 132230-28-5,
Styleze cc 10 137071-32-0, Pimecrolimus 186691-13-4, Tiotropium
217087-71-3, Structure 2001 217087-72-4, Structure 3001
222171-02-0, Structure Plus 250144-07-1, Avalure UR 405
287724-77-0, Luviset PUR 306769-73-3, Styleze w 20
321939-58-6, Aquaflex SF 40 433924-03-9, Amphomer HC 443906-45-4
500615-45-2, Avalure UR 445 942626-15-5, Diaformer Z 731N
942626-18-8, Diaformer Z 632N

(use of film-forming hair care polymers for pharmaceutical
preps. and patches comprising such polymers)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 2 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 147:124616 HCA Full-text

TI Hair cosmetic compositions comprising a cationic polyvinylactam,
fatty alcohol and an aminosilicone

IN Pasquet, Dorothee; Bebot, Cecile

PA L'Oreal, Fr.

SO Eur. Pat. Appl., 43pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 1800658	A1	20070627	EP 2006-291979	200612 19

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R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK,
TR, AL, BA, HR, MK, YU

FR 2895251	A1	20070629	FR 2005-13194	200512 22
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FR 2895251	B1	20080404		
CN 101015511	A	20070815	CN 2006-10168662	200612

22

US 20070190016 A1 20070816 US 2006-643864

200612
22

BR 2006005942 A 20071016 BR 2006-5942

200612
22

PRAI FR 2005-13194 A 20051222 <--
US 2006-761330P P 20060124

OS MARPAT 147:124616

AB Hair cosmetic compns. comprise a cationic polyvinylactam, fatty alc. and an aminosilicone. Thus, a formulation contained Styleze W20 1, cetyl alc. 4, Amodimethicone (Dow Corning-939) 1, cetyltrimethylammonium chloride 1, dimethiconol (Dow Corning-1501) 2, preservatives qs, and water qs to 100%.

IT 306769-73-3, Styleze W20 942579-05-7
942579-06-8

(hair cosmetic compns. comprising cationic polyvinylactam and fatty alc. and aminosilicone)

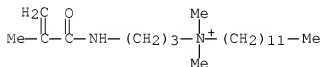
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

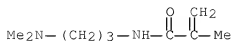
CMF C21 H43 N2 O . Cl



● Cl⁻

CM 2

CRN 5205-93-6
CMF C9 H18 N2 O



CM 3

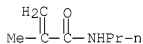
CRN 88-12-0
CMF C6 H9 N O



RN 942579-05-7 HCA
CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, 4-methylbenzenesulfonate (1:1), polymer with N-[(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 67296-21-3
CMF C9 H18 N2 O
CCI IDS



CM 2

CRN 88-12-0

CMF C6 H9 N O



CM 3

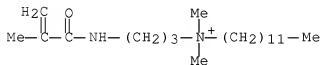
CRN 306769-68-6

CMF C21 H43 N2 O . C7 H7 O3 S

CM 4

CRN 129684-48-6

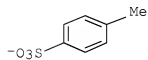
CMF C21 H43 N2 O



CM 5

CRN 16722-51-3

CMF C7 H7 O3 S



RN 942579-06-8 HCA

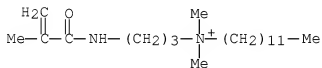
CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-

yl)amino]propyl]-, chloride (1:1), polymer with N-
 [(dimethylamino)propyl]-2-methyl-2-propenamide and
 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . Cl

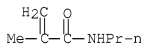


CM 2

CRN 67296-21-3

CMF C9 H18 N2 O

CCI IDS



CM 3

CRN 88-12-0

CMF C6 H9 N O



CC 62-4 (Essential Oils and Cosmetics)
 IT Surfactants
 (amphoteric; hair cosmetic comps. comprising cationic
 polyvinyl lactam and fatty alc. and aminosilicone)
 IT 64-17-5, Ethyl alcohol, biological studies 81-13-0, Panthenol
 88-12-0D, cationic polymers, biological studies 112-43-6,
 Undecylenic alcohol 112-53-8, Lauryl alcohol 112-92-5, Stearyl
 alcohol 143-28-2, Oleyl alcohol 506-43-4, Linoleyl alcohol
 629-98-1, Erucyl alcohol 661-19-8, Behenyl alcohol 9006-65-9D,
 Dimethicone, TMS-terminated 9016-00-6, Poly[oxy(dimethylsilylene)]
 10378-01-5, Palmitoleyl alcohol 13487-46-2, Arachidonyl alcohol
 31900-57-9, Dimethylsilane diol homopolymer 36653-82-4, Cetyl
 alcohol 67296-21-3D, Dimethylaminopropylmethacrylamide, cationic
 polymers 156048-34-9, Dimethylsilanediol-diphenylsilanediol
 copolymer 156048-35-0, Dimethylsilanediol-phenylmethylsilanediol
 copolymer 156787-84-7, Dimethylsilanediol-diphenylsilanediol-
 methylvinylsilane diol copolymer 203341-07-5, Dow Corning 939
 306769-73-3, Styleze W20 330437-18-8, Dow Corning 1501
 942579-05-7 942579-06-8
 (hair cosmetic comps. comprising cationic polyvinyl lactam and
 fatty alc. and aminosilicone)
 RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 3 OF 26 HCA COPYRIGHT 2008 ACS on STN
 AN 147:124549 HCA Full-text
 TI Hair cosmetic compositions comprising a cationic poly(vinyl lactam),
 a crosslinked cationic polymer and a nonvolatile silicone
 IN Pasquet, Dorothee
 PA L'Oreal, Fr.
 SO Eur. Pat. Appl., 36pp.
 CODEN: EPXXDW
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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200612
19

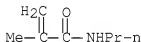
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TR, AL, BA, HR, MK, YU
FR 2895249 A1 20070629 FR 2005-13191

200512
22

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FR 2895249 B1 20080404
PRAI FR 2005-13191 A 20051222 <--
AB Hair cosmetic compns. comprise a cationic polyvinylactam, and a
cationic crosslinked polymer, e.g, a homo or copolymer of C1-4
methacryloyloxyalkyltrialkylammonium chloride and at least a
nonvolatile silicone. Thus, a formulation contained Styleze W20 1,
Salcare SC96 2, cetyltrimethylammonium chloride 1, dimethiconol (Dow
Corning-1501) 2, preservatives qs, and water qs to 100%.
IT 942579-05-7
(edihair cosmetic compns. comprising cationic poly(vinylactam)
and crosslinked cationic polymer and nonvolatile silicone)
RN 942579-05-7 HCA
CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-
yl)amino]propyl]-, 4-methylbenzenesulfonate (1:1), polymer with
N-[(dimethylamino)propyl]-2-methyl-2-propenamide and
1-ethenyl-2-pyrrolidinone (CA INDEX NAME)
CM 1
CRN 67296-21-3
CMF C9 H18 N2 O
CCI IDS



CM 2

CRN 88-12-0
CMF C6 H9 N O

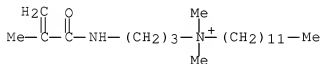


CM 3

CRN 306769-68-6
CMF C21 H43 N2 O . C7 H7 O3 S

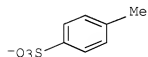
CM 4

CRN 129684-48-6
CMF C21 H43 N2 O



CM 5

CRN 16722-51-3
CMF C7 H7 O3 S



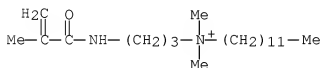
IT 306769-73-3, Styleze W20 942579-06-8
(hair cosmetic compns. comprising cationic poly(vinyl lactam) and
crosslinked cationic polymer and nonvolatile silicone)
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

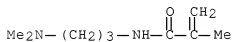
CMF C21 H43 N2 O . Cl



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

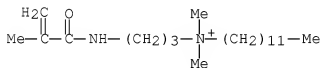
CMF C6 H9 N O



RN 942579-06-8 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

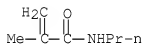
CM 1

CRN 126758-30-3
 CMF C21 H43 N2 O . Cl



CM 2

CRN 67296-21-3
 CMF C9 H18 N2 O
 CCI IDS



CM 3

CRN 88-12-0
 CMF C6 H9 N O



CC 62-3 (Essential Oils and Cosmetics)
 IT Surfactants
 (amphoteric; hair cosmetic compns. comprising cationic
 poly(vinyl lactam) and crosslinked cationic polymer and
 nonvolatile silicone)
 IT 942579-05-7
 (edihair cosmetic compns. comprising cationic poly(vinyl lactam)
 and crosslinked cationic polymer and nonvolatile silicone)
 IT 64-17-5, Ethyl alcohol, biological studies 81-13-0, Panthenol
 88-12-0D, cationic polymers, biological studies 9016-00-6,
 Poly[oxy(dimethylsilylene)] 26161-33-1 31900-57-9,
 Dimethylsilane diol homopolymer 35429-19-7 67296-21-3D,
 Dimethylaminopropylmethacrylamide, cationic polymers 155665-02-4,
 Dimethylsilanediol-methylvinylsilane diol copolymer 156048-34-9,
 Dimethylsilanediol-diphenylsilanediol copolymer 156048-35-0,
 Dimethylsilanediol-phenylmethylsilanediol copolymer 156787-84-7,
 Dimethylsilanediol-diphenylsilanediol-methylvinylsilane diol
 copolymer 195868-36-1, Phenyltrimethicone 203341-07-5, Dow
 Corning 939 306769-73-3, Styleze W20 330437-18-8
 473664-54-9, Salcare SC 96 942579-06-8
 (hair cosmetic compns. comprising cationic poly(vinyl lactam) and
 crosslinked cationic polymer and nonvolatile silicone)
 RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 4 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 147:124548 HCA Full-text

TI Hair cosmetic compositions comprising a cationic polyvinyl lactam,
 fatty alcohol and polyols

IN Bebot, Cecile

PA L'Oreal, Fr.

SO Eur. Pat. Appl., 46pp.

CODEN: EPXXDW

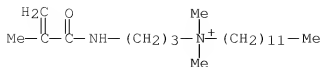
DT Patent

LA French

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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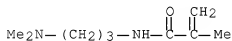
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PRAI	FR 2005-13195	A	20051222	<--	
	US 2006-761331P	P	20060124		
OS	MARPAT 147:124548				
AB	Hair cosmetic compns. comprise a cationic polyvinylactam, fatty alc. and polyols having a mol. wt. of >80. Thus, a formulation contained Styleze W20 0.5, cetyl alc. 4, glycerol 3, cetyltrimethylammonium chloride 1, Dimethiconol 2, preservatives qs, and water qs to 100%.				
IT	306769-73-3, Styleze W20 942579-05-7 942579-06-8 (hair cosmetic compns. comprising cationic polyvinylactam and fatty alc. and polyols)				
RN	306769-73-3 HCA				
CN	1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)				
CM	1				
CRN	126758-30-3				
CMF	C21 H43 N2 O . Cl				



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



RN 942579-05-7 HCA

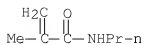
CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, 4-methylbenzenesulfonate (1:1), polymer with N-[(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 67296-21-3

CMF C9 H18 N2 O

CCI IDS



CM 2

CRN 88-12-0

CMF C6 H9 N O



CM 3

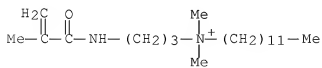
CRN 306769-68-6

CMF C21 H43 N2 O . C7 H7 O3 S

CM 4

CRN 129684-48-6

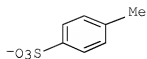
CMF C21 H43 N2 O



CM 5

CRN 16722-51-3

CMF C7 H7 O3 S



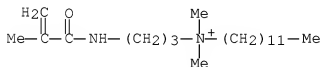
RN 942579-06-8 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . Cl



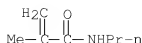
● Cl⁻

CM 2

CRN 67296-21-3

CMF C9 H18 N2 O

CCI IDS



CM 3

CRN 88-12-0

CMF C6 H9 N O



CC 62-3 (Essential Oils and Cosmetics)

IT Surfactants

(amphoteric; hair cosmetic compns. comprising cationic polyvinyl lactam and fatty alc. and polyols)

IT 50-70-4, Sorbitol, biological studies 56-81-5, 1,2,3-Propanetriol, biological studies 64-17-5, Ethyl alcohol, biological studies 76-09-5, Pinacol 81-13-0, Panthenol 88-12-0D, cationic polymers, biological studies 107-41-5 107-88-0, 1,3-Butanediol 111-29-5, 1,5-Pentanediol 112-43-6, Undecylenic alcohol 112-53-8, Lauryl alcohol 112-92-5, Stearyl alcohol 126-30-7 143-28-2, Oleyl alcohol 506-43-4, Linoleyl alcohol 513-85-9, 2,3-Butanediol 629-98-1, Erucyl alcohol 661-19-8, Behenyl alcohol 2163-42-0 2568-33-4 3068-00-6, 1,2,4-Butanetriol 4435-50-1, 1,2,3-Butanetriol 4457-71-0 7564-64-9 9016-00-6, Poly[oxy(dimethylsilylene)] 10378-01-5, Palmitoleyl alcohol 13487-46-2, Arachidonyl alcohol 25322-68-3, Polyethylene glycol 31900-57-9, Dimethylsilane diol homopolymer 36653-82-4, Cetyl alcohol 67296-21-3D, Dimethylaminopropylmethacrylamide, cationic polymers 155665-02-4, Dimethylsilane diol-methylvinylsilane diol copolymer 156048-35-0, Dimethylsilanediol-phenylmethylsilanediol copolymer 156787-84-7, Dimethylsilanediol-diphenylsilanediol-methylvinylsilane diol copolymer 306769-73-3, Styleze W20 342579-05-7 342579-06-8

(hair cosmetic comps. comprising cationic polyvinylactam and fatty alc. and polyols)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 5 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 146:127996 HCA Full-text

TI A product release system to atomize cosmetic hair and skin cleaning compositions

IN Schiemann, Hartmut; Krause, Thomas; Franzke, Michael; Weber, Dirk; Moenks, Monika; Baumeister, Jan; Florig, Ellen

PA The Procter & Gamble Company, USA; Wella Aktien Gesellschaft

SO PCT Int. Appl., 38pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2007001844	A1	20070104	WO 2006-US23074	20060613

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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

DE	102005028386	A1	20070104	DE 2005-102005028386	20050620
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CA 2611811 A1 20070104 CA 2006-2611811 20060613

EP 1896138

A1 20080312

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EP 2006-773101200606
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TRPRAI DE 2005-102005028386 A 20050620 <--
WO 2006-US23074 W 20060613

AB A product release system for atomizing cosmetic hair or skin cleaning compns. is described, which has (a) pressure-resistant packaging, (b) a capillary-contg. spray head, and (c) a propellant-contg. cosmetic compn., which contains at least one wash-active surfactant. The atomization is done using the capillary. The capillary preferably has a diam. of 0.1 to 1 mm and a length of 5 to 100 mm. The spray rate is preferably 0.01 to 5 g/s. The compn. can particularly be gel-like. Thus, a shampoo for fine hair comprised sodium lauryl ether sulfate 7.7 g, Laureth-4 3.0 g, PEG-200 hydrogenated glyceryl palmate 2.8 g, ammonium lauryl sulfate 2.75 g, cocamidopropylbetaine 2.55 g, PEG-7 glyceryl cocoate 0.7 g, hydroxypropyl guar hydroxypropyltrimonium chloride 0.3 g, Polyquaternium-47 0.2 g, hydrolyzed silk protein 0.01 g, preservative and perfume as needed, and water to 100 g. A viscosity of the compn. was 3247 mPa·sec at 25° with a shear speed of 12.9 s⁻¹.

IT 306769-73-3

(spray atomizer for release of cosmetic hair and skin cleaning compns.)

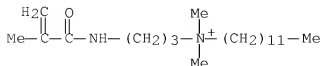
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propanamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . C1

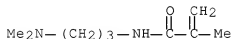


● C1-

CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



CC 62-1 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

IT Surfactants

(amphoteric; spray atomizer for release of cosmetic hair and skin cleaning comps.)

IT 50-00-0, Formaldehyde, biological studies 50-78-2, Acetylsalicylic acid 56-40-6D, Glycine, soya oil derivs. 57-00-1, Creatine 57-11-4, Stearic acid, biological studies 57-55-6, Propylene glycol, biological studies 69-72-7, Salicylic acid, biological studies 71-00-1, L-Histidine, biological studies 74-98-6, Propane, biological studies 77-92-9, Citric acid, biological studies 79-10-7D, Acrylic acid, esters, polymers 79-41-4D, Methacrylic acid, esters, polymers 81-13-0, Panthenol 100-42-5D, Styrene, polymers with C2-4 alkylenes 106-97-8, Butane, biological studies 109-66-0, Pentane, biological studies 111-60-4, Glycol stearate 115-10-6, Dimethyl ether 151-21-3, Sodium lauryl sulfate, biological studies 151-41-7, Lauryl sulfate 499-44-5,

Hinokitiol 627-83-8, Glycol distearate 1333-28-4D, Undecenoic acid, derivs. 2235-54-3, Ammonium lauryl sulfate 7601-54-9, Trisodium phosphate 7647-14-5, Sodium chloride, biological studies 7704-34-9, Sulfur, biological studies 9000-07-1, Carrageenan 9000-30-0, Guar gum 9000-30-0D, Guar gum, quaternized 9000-36-6, Karaya gum 9000-40-2, Locust bean gum 9002-89-5, Polyvinyl alcohol 9002-92-0, Laureth-4 9003-01-4D, Polyacrylic acid, crosslinked 9003-05-8, Polyacrylamide 9003-39-8, Polyvinylpyrrolidone 9004-32-4, Carboxymethyl cellulose 9004-34-6D, Cellulose, quaternized 9004-62-0, Hydroxyethyl cellulose 9004-64-2, Hydroxypropyl cellulose 9004-65-3, Hydroxypropyl methyl cellulose 9004-67-5, Methyl cellulose 9004-82-4, Sodium lauryl ether sulfate 9005-08-7, Polyethylene glycol distearate 9005-25-8D, Starch, hydrolyzed 9012-76-4, Chitosan 9012-76-4D, Chitosan, derivs. 11138-66-2, Xanthan 13463-41-7, Zinc pyrithione 25322-68-3D, Polyethylene oxide, copolymers with fatty alcs. and satd. methylenediphenyl diisocyanate 26008-54-8, Vinyl alcohol-vinylpyrrolidone copolymer 26062-79-3, Poly(dimethyldiallylammonium chloride) 26161-33-1 26183-44-8 26590-05-6, Acrylamide-dimethyldiallylammonium chloride copolymer 26838-05-1 27233-34-7 28518-51-6, Lauryl sulfosuccinate 29297-55-0D, quaternized 30581-59-0D, Dimethylaminoethyl methacrylate-vinylpyrrolidone copolymer, quaternized with di-Et sulfate 34513-50-3, Octyldodecanol 38083-17-9, Climbazole 39346-84-4, Hydroxypropyl starch phosphate 39421-75-5, Hydroxypropyl guar 53694-17-0, Acrylic acid-dimethyldiallylammonium chloride copolymer 62755-21-9, Magnesium lauryl ether sulfate 68890-66-4, Piroctone olamine 70852-71-0D, Polyethylene glycol glyceryl palmitate, hydrogenated 71329-50-5, Hydroxypropyl guar hydroxypropyltrimonium chloride 81859-24-7, Polyquaternium-10 87569-97-9 102972-64-5, Dimethylaminoethyl methacrylate-vinyl caprolactam-vinylpyrrolidone copolymer 104365-75-5, Glyceryl polyacrylate 145314-10-9 146126-21-8, Glyceryl polymethacrylate 189767-69-9, Polyquaternium 35 197969-51-0, Polyquaternium-47 306769-73-3 335383-60-3, Ammonium acryloyl dimethyltaurate-vinylpyrrolidone copolymer 696602-27-4, Polyquaternium 57 857906-69-5 866464-73-5, Polygel W 400

(spray atomizer for release of cosmetic hair and skin cleaning comps.)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 6 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 146:127995 HCA Full-text

TI A product release system to atomize non-liquid or highly viscous cosmetic compositions

IN Schiemann, Hartmut; Krause, Thomas; Franzke, Michael; Weber, Dirk;
 Moenks, Monika; Baumeister, Jan; Florig, Ellen
 PA The Procter & Gamble Company, USA; Wella Aktien Gesellschaft
 SO PCT Int. Appl., 50pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	US 20070292460	A1	20071220	US 2006-471380	200606 20
				<--	
	IN 2007DN09507	A	20080111	IN 2007-DN9507	

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PRAI DE 2005-102005028384 A 20050620 <--
 WO 2006-US23072 W 20060613

AB A product release system to atomize cosmetic compns. is described, which has (a) pressure-resistant packaging, (b) a capillary-contg. spray head, and (c) a propellant-contg. cosmetic compn. The atomization is done using the capillary and the compn. is non-fluid at 25° or has a viscosity greater than 5000 mPa·sec. The capillary preferably has a diam. of 0.1 to 1 mm and a length of 5 to 100 mm. The spray rate is preferably 0.01 to 5 g/s. The compn. can be, in particular, gel-like, waxy, or emulsion-like and used for the treatment of hair or skin. Thus, a hair styling gel contained Luviset Clear 1.00 g, VA/crotonates copolymer 2.50 g, acrylates/ceteth-20-itaconate copolymer 0.50 g, sorbitol 4.20 g, Carbomer 1.20 g, aminomethylpropanol (95%) 0.30 g, methylparaben 0.20 g, PEG-40 hydrogenated castor oil 0.20 g, panthenol 0.10 g, perfume 0.20 g, ethanol 5.00 g, and water to 100 g.

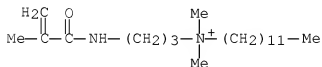
IT 306769-73-3
 (product release system to atomize non-liq. or highly viscous cosmetic compns.)

RN 306769-73-3 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

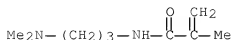
CMF C21 H43 N2 O . Cl



● Cl⁻

CM 2

CRN 5205-93-6
CMF C9 H18 N2 O



CM 3

CRN 88-12-0
CMF C6 H9 N O



CC 62-1 (Essential Oils and Cosmetics)
IT Polyelectrolytes
(amphoteric; product release system to atomize non-liq.
or highly viscous cosmetic comps.)
IT 50-70-4, Sorbitol, biological studies 56-81-5, Glycerol,
biological studies 57-11-4, Stearic acid, biological studies
57-50-1D, Saccharose, C8-22 fatty acid esters 57-55-6, Propylene
glycol, biological studies 57-88-5, Cholesterol, biological
studies 74-98-6, Propane, biological studies 79-10-7D, Acrylic
acid, ester derivs., polymers with Ceteth-20 itaconate 79-10-7D,
Acrylic acid, polymers 79-41-4D, Methacrylic acid, polymers
81-13-0, Panthenol 97-59-6, Allantoin 100-42-5D, Styrene,
copolymers with C2-4 alkylenes 102-71-6, Triethanolamine,
biological studies 106-97-8, Butane, biological studies
110-16-7D, Maleic acid, monoalkyl esters, polymers with Me vinyl
ether 110-27-0, Isopropyl myristate 111-01-3, Squalane
115-10-6, Dimethyl ether 124-68-5 544-63-8, Myristic acid,
biological studies 667-84-5 832-01-9 1066-33-7, Ammonium
hydrogen carbonate 1309-37-1, C.I. 77491, biological studies
1344-28-1, Alumina, biological studies 2156-97-0D, Lauryl
acrylate, polymers with (meth)acrylates 4065-45-6,
2-Hydroxy-4-methoxybenzophenone-5-sulfonic acid 4813-57-4D,
Stearyl acrylate, polymers with (meth)acrylates 5421-46-5,

Ammonium thioglycolate 5466-77-3, 4-Methoxycinnamic acid
 2-ethylhexyl ester 7631-86-9, Silica, biological studies
 7664-38-2D, Phosphoric acid, esters with C8-22 fatty alcs.,
 ethoxylated 7664-41-7, Ammonia, biological studies 7664-93-9D,
 Sulfuric acid, C8-22 alkylamido Et trimethylammonium ethers,
 biological studies 9000-07-1, Carrageenan 9000-30-0, Guar gum
 9000-36-6, Karaya gum 9000-40-2, Locust bean gum 9002-89-5,
 Polyvinyl alcohol 9003-01-4D, Polyacrylic acid, crosslinked
 9003-05-8, Polyacrylamide 9003-39-8, Polyvinylpyrrolidone
 9003-53-6D, Polystyrene, sulfonated, sodium salts 9004-34-6D,
 Cellulose, derivs. 9004-62-0, Natrosol 250 HHX 9004-64-2,
 Hydroxypropyl cellulose 9004-82-4, Sodium lauryl ether sulfate
 9004-98-2, Oleth-10 9005-00-9, Steareth-20 9005-08-7,
 Polyethylene glycol distearate 9005-25-8D, Starch, hydrolyzed
 9005-63-4D, C8-22 fatty acid esters 9006-65-9, Dimethicone
 9012-76-4, Chitosan 9012-76-4D, Chitosan, derivs. 10043-67-1,
 Potassium alum 11138-66-2, Xanthan gum 13463-41-7, Zinc
 pyrrhione 25035-26-1, Crotonic acid-vinyl acetate-vinyl
 propionate copolymer 25086-89-9, Vinyl acetate-vinylpyrrolidone
 copolymer 25189-83-7, Polyvinyl caprolactam 25212-88-8, Ethyl
 acrylate-methacrylic acid copolymer 25322-68-3, Polyethylene
 glycol 25322-68-3D, Polyethylene oxide, copolymers with fatty
 alcs. and satd. methylenediphenyl diisocyanate 25322-68-3D,
 reaction products with dimethicone 25496-72-4, Glyceryl monooleate
 25609-89-6, Crotonic acid-vinyl acetate copolymer 25618-55-7D,
 Polyglycerol, C8-22 fatty acid esters 26062-56-6 26124-25-4,
 Vinyl acetate-vinyl propionate-vinylpyrrolidone copolymer
 26161-33-1 26590-05-6, Acrylamide-dimethyldiallylammonium chloride
 copolymer 27233-34-7 30581-59-0, Dimethylaminoethyl
 methacrylate-vinylpyrrolidone copolymer 38083-17-9, Climbazole
 38139-93-4, Luviset Clear 39346-84-4, Hydroxypropyl starch
 phosphate 39421-75-5, Hydroxypropyl guar 53694-17-0,
 Polyquaternium-22 55406-53-6, Dekaben LMB 58748-38-2, Crotonic
 acid-vinyl acetate-vinyl neodecanoate copolymer 62755-21-9,
 Magnesium lauryl ether sulfate 63363-19-9 67016-70-0D, Amphomer,
 reaction products with aminomethylpropanol 68890-66-4, Piroctone
 olamine 81859-24-7, Polyquaternium-10 87569-97-9 92183-41-0
 99588-80-4 102972-64-5, Dimethylaminoethyl methacrylate-vinyl
 caprolactam-vinylpyrrolidone copolymer 104365-75-5, Glyceryl
 polyacrylate 106392-12-5D, reaction products with dimethicone
 107596-21-4, Caprolactone-ethylene oxide block copolymer
 116464-11-0D, polymers with acrylates 126213-51-2,
 3,4-Polyethylene dioxythiophene 131649-91-7, Isobornyl
 acrylate-monobutyl maleate-vinyl acetate copolymer 145314-10-9
 146126-21-8, Glyceryl polymethacrylate 156618-33-6 159666-35-0
 168399-10-8, Ethylene oxide-lactide block copolymer 189767-69-9,
 Polyquaternium 35 197969-51-0 232923-91-0,

Methylvinylimidazolium chloride-vinylpyrrolidone copolymer
 246046-14-0 306769-73-3 335383-60-3, Ammonium acryloyl
 dimethyltaurate-vinylpyrrolidone copolymer 696602-27-4,
 Polyquaternium 57 866269-21-8

(product release system to atomize non-liq. or highly viscous
 cosmetic compns.)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 7 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 146:106775 HCA Full-text

TI Hair spray systems for the delivery of compositions containing
 conditioning substances

IN Schiemann, Hartmut; Krause, Thomas; Franzke, Michael; Weber, Dirk;
 Moenks, Monika; Baumeister, Jan; Florig, Ellen

PA Wella Aktiengesellschaft, Germany

SO Ger. Offen., 25pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	WO 2007001843	A1	20070104	WO 2006-US23073	200606 13

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 MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT,
 RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR,
 TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
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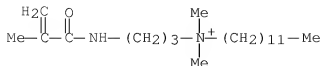
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 IN 2007DN09550 A 20080118 IN 2007-DN9550
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 PRAI DE 2005-102005028385 A 20050620 <--
 WO 2006-US23073 W 20060613
 AB The invention concerns a hair spray system that contains: (a)
 pressure resistant packaging; (b) a sprayer with capillary; (c) a
 propellant compn.; (d) hair conditioners that are nebulized via the
 capillary; hair conditioning substances are selected from the group
 of cationic surfactants, amino surfactants, polysiloxanes, alcs.,
 oils, plant exts., protein hydrolyzates, amino acids, panthenol,
 panthenolethyl ether, sorbitol, betaine and creatine. Further
 ingredients include thickeners or gelation agents, polymers,
 emulsifiers. Thus a hair conditioner with a cationic surfactant
 contained (g):cetyltrimethyl ammonium chloride 1.00; hydroxyethyl
 cellulose 0.75; Polyquaternium-10 1.50; citric acid 0.50; PEG-40
 hydrogenated castor oil 0.30; perfume 0.2; water to 100. 50 G of the
 compn. and 50 g propane-butane were filled in a TRUSPRAY aerosol
 container under 4.8 bar.
 IT 306769-73-3
 (hair spray systems for delivery of compns. contg. conditioning
 substances)
 RN 306769-73-3 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-
 yl)amino]propyl]-, chloride (1:1), polymer with N-[3-
 (dimethylamino)propyl]-2-methyl-2-propanamide and
 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

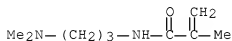
CMF C21 H43 N2 O . Cl



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



CC 62-3 (Essential Oils and Cosmetics)

IT Polyelectrolytes

(amphoteric; hair spray systems for delivery of compns.
contg. conditioning substances)

IT 50-70-4, Sorbitol, biological studies 57-00-1, Creatine
57-50-1D, Saccharose, esters, ethoxylated 74-98-6, n-Propane,
biological studies 81-13-0, Panthenol 106-97-8, n-Butane,

biological studies 107-43-7, Betaine 112-02-7, Cetyltrimethyl
 ammonium chloride 115-10-6, Dimethyl ether 667-83-4, Pantothenyl
 ethyl ether 1309-37-1, Iron oxide (Fe₂O₃), biological studies
 1390-65-4, Carmine 4065-45-6, 2-Hydroxy-4-methoxybenzophenone-5-
 sulfonic acid 5466-77-3, 4-Methoxycinnamic acid-2-ethylhexyl ester
 7398-69-8, Diallyldimethylammonium chloride 7631-86-9, Silica,
 biological studies 7787-59-9, CI 77163 9000-07-1, Carrageenan
 9000-30-0, Guar gum 9000-36-6, Karaya gum 9002-89-5, Polyvinyl
 alcohol 9003-05-8, Polyacrylamide 9003-39-8,
 Polyvinylpyrrolidone 9003-53-6D, Polystyrene, sulfonated, sodium
 salts 9004-62-0, Hydroxyethylcellulose 9004-64-2,
 Hydroxypropylcellulose 9005-63-4D, esters 9012-76-4, Chitosan
 9012-76-4D, Chitosan, salts, hydroxyalkyl, alkylhydroxyalkyl
 derivs., N-hydroxyalkyl chitosan alkyl ether 9016-00-6,
 Polydimethylsiloxane 10101-66-3, C.I. 77742 11138-66-2, Xanthan
 gum 11138-66-2D, Xanthan gum, dihydroxy deriv. 12001-99-9, C.I.
 Pigment Green 18 12227-89-3, C.I. Pigment Black 11 12240-15-2,
 C.I. Pigment Blue 27 13463-67-7, Titanium dioxide, biological
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 Vinylpyrrolidone-vinylacetate Copolymer 25189-83-7,
 Polyvinylcaprolactam 25212-88-8 25609-89-6 26062-56-6
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 26161-33-1 26590-05-6, Acrylamide-Dimethyldiallylammonium chloride
 copolymer 30581-59-0 31900-57-9, Polydimethylsiloxane
 39346-84-4, Hydroxypropyl starch phosphate 39421-75-5,
 Hydroxypropylguar 51274-00-1, Yellow iron oxide 53633-54-8,
 Polyquaternium-10 57455-37-5, C.I. Pigment Blue 29 58748-38-2
 95144-24-4 102972-64-5 104365-75-5, Glycerylpolyacrylate
 116242-27-4 131649-91-7 136392-67-1 146126-21-8,
 Glycerylpolymethacrylate 159666-35-0 189767-69-9, Polyquaternium
 35 246046-14-0 279694-42-7 306769-73-3 335383-60-3
 696602-27-4, Polyquaternium 57
 (hair spray systems for delivery of compns. contg. conditioning
 substances)

L45 ANSWER 8 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 146:106774 HCA [Full-text](#)

TI Hair spray systems for the delivery of compositions containing
 fixative or conditioning polymers

IN Schiemann, Hartmut; Krause, Thomas; Franzke, Michael; Weber, Dirk;
 Moenks, Monika; Baumeister, Jan; Florig, Ellen

PA Wella Aktiengesellschaft, Germany

SO Ger. Offen., 26pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	CA 2612567	A1	20070104	CA 2006-2612567	20060620
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	WO 2007002045	A1	20070104	WO 2006-US23920	20060620
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RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP	1896137	A1	20080312	EP 2006-785156	20060620
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PRAI DE 2005-102005028383 A 20050620 <--
 WO 2006-US23920 W 20060620

AB The invention concerns a hair spray system that contains: (a) pressure resistant packaging; (b) a sprayer with capillary; (c) a propellant compn.; (d) hair fixative or conditioning compns. contg. nonionic, anionic, amphoteric or zwitterionic polymers that are nebulized via the capillary. Further ingredients include thickeners or gelation agents, oils, waxes emulsifiers. Thus a compn. contained

(g):polyvinylpyrrolidone 2.5; sorbitol 4.2; carbomer 1.2; aminomethylpropanol 95% 0.4; methylparaben 0.2; PEG-40 hydrogenated castor oil 2.0; panthenol 0.1; perfume 0.2; ethanol 5.0 water to 100. To obtain a fine, dry aerosol spray 50 g of the microemulsion was filled with 50 g propane/butane into a container.

IT 306769-73-3

(hair spray systems for delivery of compns. contg. fixative or conditioning polymers)

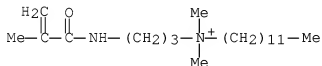
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . C1

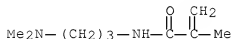


● C1-

CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



- CC 62-3 (Essential Oils and Cosmetics)
- IT Polyelectrolytes
 (amphoteric; hair spray systems for delivery of compns.
 contg. fixative or conditioning polymers)
- IT 50-70-4, Sorbitol, biological studies 57-50-1D, Saccharose,
 esters, ethoxylated 74-98-6, n-Propane, biological studies
 81-13-0, Panthenol 106-97-8, n-Butane, biological studies
 107-43-7, Betaine 115-10-6, Dimethyl ether 667-83-4, Pantothenyl
 ethyl ether 1309-37-1, Iron oxide (Fe₂O₃), biological studies
 1390-65-4, Carmine 4065-45-6, 2-Hydroxy-4-methoxybenzophenone-5-
 sulfonic acid 5466-77-3, 4-Methoxycinnamic acid-2-ethylhexyl ester
 7398-69-8, Diallyldimethylammonium chloride 7631-86-9, Silica,
 biological studies 7787-59-9, CI 77163 9000-07-1, Carrageenan
 9000-30-0, Guar gum 9000-36-6, Karaya gum 9002-89-5, Polyvinyl
 alcohol 9003-05-8, Polyacrylamide 9003-39-8,
 Polyvinylpyrrolidone 9003-53-6D, Polystyrene, sulfonated, sodium
 salts 9004-62-0, Hydroxyethylcellulose 9004-64-2,
 Hydroxypropylcellulose 9005-63-4D, esters 9006-65-9, Dimethicone
 9012-76-4, Chitosan 9012-76-4D, Chitosan, salts, hydroxyalkyl,
 alkylhydroxyalkyl derivs., N-hydroxyalkyl chitosan alkyl ether
 9016-00-6, Polydimethylsiloxane 10101-66-3, C.I. 77742
 11138-66-2, Xanthan gum 11138-66-2D, Xanthan gum, dihydroxy deriv.
 12001-99-9, C.I. Pigment Green 18 12227-89-3, C.I. Pigment Black
 11 12240-15-2, C.I. Pigment Blue 27 13463-67-7, Titanium
 dioxide, biological studies 15854-58-7, 2-Methylmethoxycinnamate
 25035-26-1 25086-89-9, Vinylpyrrolidone-vinylacetate Copolymer
 25189-83-7, Polyvinylcaprolactam 25212-88-8 25609-89-6
 26062-56-6 26062-79-3, Poly(dimethyldiallylammonium chloride)
 26124-25-4 26161-33-1 26590-05-6, Acrylamide-
 Dimethyldiallylammonium chloride copolymer 30581-59-0
 31900-57-9, Polydimethylsiloxane 39346-84-4, Hydroxypropyl starch
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 Polyquaternium-22 57455-37-5, C.I. Pigment Blue 29 58748-38-2
 95144-24-4 102972-64-5 104365-75-5, Glycerylpolyacrylate
 116242-27-4D, polyethoxylated derivs. 131649-91-7 136392-67-1
 146126-21-8, Glycerylpolymethacrylate 159666-35-0 189767-69-9,
 Polyquaternium 35 246046-14-0 279694-42-7 306769-73-3

335383-60-3 696602-27-4, Polyquaternium 57

(hair spray systems for delivery of comps. contg. fixative or conditioning polymers)

L45 ANSWER 9 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 146:106773 HCA Full-text

TI Hair spray systems for the delivery of compositions containing film-forming polymers or cationic polymers

IN Schiemann, Hartmut; Krause, Thomas; Franzke, Michael; Weber, Dirk; Moenks, Monika; Baumeister, Jan; Florig, Ellen

PA Wella Aktiengesellschaft, Germany

SO Ger. Offen., 21pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 102005028382	A1	20061228	DE 2005-102005028382	20050620
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AU	2006262421	A1	20070104	AU 2006-262421	20060620
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CA	2611799	A1	20070104	CA 2006-2611799	20060620
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WO	2007002048	A1	20070104	WO 2006-US23923	20060620

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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

EP 1893295

A1

20080305

EP 2006-785159

200606

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R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK,
TR

IN 2007DN09504

A

20080111

IN 2007-DN9504

200712

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PRAI DE 2005-102005028382 A 20050620 <--

WO 2006-US23923 W 20060620

AB The invention concerns a hair spray system that contains: (a) pressure resistant packaging; (b) a sprayer with capillary; (c) a propellant compn.; (d) compns. contg. film-forming polymers or cationic polymers that are nebulized via the capillary. Further ingredients include thickeners or gelation agents, oils, emulsifiers. Thus a solid microemulsion contained (g): liq. paraffin 13.8; Oleth-10 12.5; Oleth-5 12.5; Polyquaternium-22 2.5; PEG-40 hydrogenated castor oil 2.0; perfume 0.2; Dekaben LMB 0.2; water to 100. To obtain a fine, dry aerosol spray 50 g of the microemulsion was filled with 50 g propane/butane into a container.

IT 306769-73-3

(hair spray systems for delivery of compns. contg. film-forming polymers or cationic polymers)

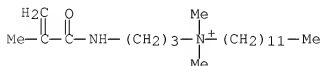
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . C1

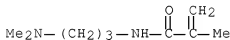


● C1-

CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



CC 62-3 (Essential Oils and Cosmetics)

IT Polyelectrolytes

(amphoteric; hair spray systems for delivery of comps.
contg. film-forming polymers or cationic polymers)

IT 50-70-4, Sorbitol, biological studies 57-50-1D, Saccharose,
esters, ethoxylated 74-98-6, n-Propane, biological studies
81-13-0, Panthenol 106-97-8, n-Butane, biological studies
107-43-7, Betaine 115-10-6, Dimethyl ether 667-83-4, Pantothenyl
ethyl ether 1309-37-1, Iron oxide (Fe₂O₃), biological studies
1390-65-4, Carmine 4065-45-6, 2-Hydroxy-4-methoxybenzophenone-5-
sulfonic acid 5466-77-3, 4-Methoxycinnamic acid-2-ethylhexyl ester
7398-69-8, Diallyldimethylammonium chloride 7631-86-9, Silica,
biological studies 7787-59-9, CI 77163 9000-07-1, Carrageenan
9000-30-0, Guar gum 9000-36-6, Karaya gum 9002-89-5, Polyvinyl
alcohol 9003-05-8, Polyacrylamide 9003-39-8,
Polyvinylpyrrolidone 9003-53-6D, Polystyrene, sulfonated, sodium
salts 9004-62-0, Hydroxyethylcellulose 9004-64-2,
Hydroxypropylcellulose 9005-63-4D, esters 9012-76-4, Chitosan
9012-76-4D, Chitosan, salts, hydroxyalkyl, alkylhydroxyalkyl

derivs., N-hydroxyalkyl chitosan alkyl ether 9016-00-6,
 Polydimethylsiloxane 10101-66-3, C.I. 77742 11138-66-2, Xanthan
 gum 11138-66-2D, Xanthan gum, dihydroxy deriv. 12001-99-9, C.I.
 Pigment Green 18 12227-89-3, C.I. Pigment Black 11 12240-15-2,
 C.I. Pigment Blue 27 13463-67-7, Titanium dioxide, biological
 studies 15854-58-7, 2-Methylmethoxycinnamate 25035-26-1
 25086-89-9, Vinylpyrrolidone-vinylacetate Copolymer 25189-83-7,
 Polyvinylcaprolactam 25212-88-8 25609-89-6 26062-56-6
 26062-79-3, Poly(dimethyldiallylammonium chloride) 26124-25-4
 26161-33-1 26590-05-6, Acrylamide-Dimethyldiallylammonium chloride
 copolymer 30581-59-0 31900-57-9, Polydimethylsiloxane
 39346-84-4, Hydroxypropyl starch phosphate 39421-75-5,
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 Polyquaternium-11 53694-17-0, Polyquaternium-22 55406-53-6,
 Dekaben LMB 57455-37-5, C.I. Pigment Blue 29 58748-38-2
 95144-24-4 102972-64-5 104365-75-5, Glycerylpolyacrylate
 116242-27-4 131649-91-7 136392-67-1 146126-21-8,
 Glycerylpolymethacrylate 159666-35-0 189767-69-9, Polyquaternium
 35 246046-14-0 279694-42-7 306769-73-3 335383-60-3
 696602-27-4, Polyquaternium 57
 (hair spray systems for delivery of compns. contg. film-forming
 polymers or cationic polymers)

L45 ANSWER 10 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 145:33470 HCA [Full-text](#)

TI Cosmetic composition comprising at least one fixing polymer and at
 least one hydroxyalkyl urea

IN Bebot, Cecile

PA L'Oreal, Fr.

SO PCT Int. Appl., 36 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2006056692	A1	20060601	WO 2005-FR2924	200511 24

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 GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM,
 KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG,
 MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT,
 RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT,

TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
 IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
 TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
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 FR 2878436 A1 20060602 FR 2004-52778

200411
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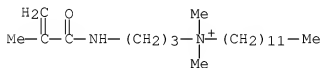
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FR 2878436 B1 20070330
 PRAI FR 2004-52778 A 20041126 <--
 US 2005-646609P P 20050126 <--
 OS MARPAT 145:33470
 AB An aq. liq. cosmetic compn. comprises, in a cosmetically acceptable medium at least one hydroxyalkyl urea compd. and at least one fixing polymer. The invention also concerns a method for grooming or maintaining keratinous fibers, using said compn., as well as the uses thereof. A hair prepn. contained PVP K30 2, Hydrovance (hydroxyethyl urea) 22%, Hispagel 200 5, Viscophobe DB-1000 2.5, water, preservatives and fragrance q.s. 100%.
 IT 306769-73-3, Styleze w20
 (cosmetic compn. comprising at least one fixing polymer and at least one hydroxyalkyl urea)
 RN 306769-73-3 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . Cl

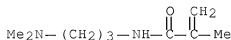


● Cl⁻

CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



CC 62-3 (Essential Oils and Cosmetics)

IT Polyelectrolytes

(amphoteric; cosmetic compn. comprising at least one fixing polymer and at least one hydroxyalkyl urea)

IT 88-12-0D, quaternary polymers 96-05-9D, Allyl methacrylate, acrylic polymer derivs. 1750-49-8, N-(2-Hydroxypropyl)-urea 2078-71-9, N-(2-Hydroxyethyl)-urea 9003-05-8 9003-20-7, Polyvinyl acetate 9003-39-8, PVPK30 9003-53-6, Polystyrene 9012-76-4D, Chitosan, quaternary polymers 15194-30-6 15438-70-7 16517-53-6 23270-55-5 25086-89-9, Luviskol VA 73E 29346-51-8 29383-23-1D, Vinylimidazole, quaternary polymers 30581-59-0 53633-54-8, Polyquaternium 11 57462-27-8 67910-04-7 67910-06-9 77463-87-7 97271-73-3 97271-76-6 306769-73-3, Styleze w20 885024-83-9 885024-84-0 885024-85-1 885024-86-2 885024-89-5 885024-90-8 885024-91-9 885024-92-0 885262-86-2 888733-49-1, Acrylidone LM 5

(cosmetic compn. comprising at least one fixing polymer and at least one hydroxyalkyl urea)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 11 OF 26 HCA COPYRIGHT 2008 ACS on STN
 AN 144:474365 HCA Full-text
 TI Clear, tow-phase, foam-forming aerosol hairstyling product
 IN Franzke, Michael; Moenks, Monika; Schiemann, Hartmut; Florig, Ellen;
 Baecker, Sabine; Roettger, Cornelia; Gaenger, Klaus
 PA Wella Aktiengesellschaft, Germany
 SO PCT Int. Appl., 28 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2006050788	A1	20060518	WO 2005-EP11215	20051019

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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

DE 102004054278	A1	20060601	DE 2004-102004054278	20041110
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AU 2005304075	A1	20060518	AU 2005-304075	20051019
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CA 2586070	A1	20060518	CA 2005-2586070	20051019
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EP 1809234	A1	20070725	EP 2005-857846	20051019
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R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,

IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK,
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CN 101048124 A 20071003 CN 2005-80037087

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IN 2007DN03198 A 20070831 IN 2007-DN3198

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US 20080019928 A1 20080124 US 2007-800815

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MX 200705614 A 20070523 MX 2007-5614

200705
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PRAI DE 2004-102004054278 A 20041110 <--

WO 2005-EP11215 W 20051019 <--

OS MARPAT 144:474365

AB A hair care product is described, which consists of transparent, pressure-resistant aerosol packaging, a device for foaming a compn. contained in the aerosol packaging, and a foaming compn. of at least two clear liq. phases sepd. from each other. The compn. contains water; at least 15 wt%, based on the compn. without aerosol propellant, water-sol., liq. alc.; at least one polymer, selected from hair-conditioning, hair-setting, and film-forming polymers; at least one hair-conditioning cationic surfactant; at least one foam-forming or foam stabilizing surfactant, selected from nonionic surfactants with an HLB value of at least 10 and zwitterionic surfactants; as well as one water-insol., liquefied aerosol propellant. A hair styling aerosol contained Polyquaternium-4 2, vinylpyrrolidone-vinyl acetate copolymer 2, 35% coco-glucoside 1, cetyltrimethylammonium chloride 0.2, Ext. D & C violet No.2 (0.1) 0.4, FD & C blue No. 1 (0.1%) 0.06, perfume 0.2, citric acid q.s. pH = 5-5.5, 86% glycerin 5, ethanol 20, and water q.s. 100%.

IT 306769-73-3

(clear, tow-phase, foam-forming aerosol hairstyling product)

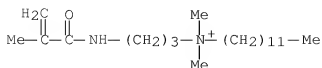
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

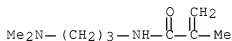
CMF C21 H43 N2 O . Cl



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



CC 62-3 (Essential Oils and Cosmetics)

IT Polyelectrolytes

(amphoteric; clear, tow-phase, foam-forming aerosol
hairstyling product)

IT 7398-69-8D, Diallyldimethylammonium chloride, hydroxyethyl cellulose
derivs. 9002-89-5, Polyvinyl alcohol 9004-34-6D, Cellulose,
cationic derivs. 9004-62-0D, Hydroxyethyl cellulose,

diallyldimethylammonium chloride derivs. 9012-76-4, Chitosan
 9012-76-4D, Chitosan, hydroxyalkyl derivs. 9080-79-9 25035-26-1
 25086-89-9, Vinyl acetate vinylpyrrolidone copolymer 25189-83-7,
 Polyvinylcaprolactam 25212-88-8, Ethyl acrylate-methacrylic acid
 copolymer 25609-89-6 26062-56-6 26124-25-4 26161-33-1
 26590-05-6, Acrylamide-dimethyldiallylammonium chloride copolymer
 30581-59-0 38139-93-4 53633-54-8 58748-38-2 92183-41-0,
 Celquat 1 200 95144-24-4 102972-64-5 131649-91-7 159666-35-0
 189767-69-9, Polyquaternium 35 246046-14-0 279694-42-7
 306769-73-3 696602-27-4, Polyquaternium 57

(clear, tow-phase, foam-forming aerosol hairstyling product)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 12 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 143:392499 HCA Full-text

TI Dispensing system for spraying hair preparations containing
 nonionic, anionic, amphoteric or zwitterionic polymers

PA Wella A.-G., Germany

SO Ger. Gebrauchsmusterschrift, 26 pp.

CODEN: GGXXFR

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 202005009612	U1	20051013	DE 2005-202005009612	

200506
 20

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PRAI DE 2005-202005009612 20050620 <--

AB The invention concerns a product dispenser for spraying hair prepsns.
 that are composed of (a) a pressure-resistant container; (b) a
 capillary tube with nozzle; (c) a propellant-contg. cosmetic
 formulation; the formulation includes at least one nonionic, anionic,
 amphoteric or zwitterionic polymer for hair styling and conditioning.
 Thus a hair styling gel contained (g): polyvinylpyrrolidone 2.5;
 sorbitol 4.2; carbomer 1.2; aminomethylpropanol(95%) 0.4;
 methylparaben 0.2; PEG-40-hydrogenated castor oil 2.0; panthenol 0.1;
 perfume 0.2; ethanol 5.0; water to 100. 50 G of the compn. was
 filled into a container with 50 g propan/butane at 4.8 bar.

IT 306769-73-3

(dispensing system for spraying hair prepsns. contg. nonionic,
 anionic, amphoteric or zwitterionic polymers)

RN 306769-73-3 HCA

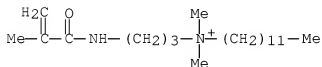
CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-

yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

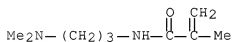
CMF C21 H43 N2 O . Cl



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-06

ICS B05B007-24

CC 62-3 (Essential Oils and Cosmetics)

ST dispenser hair prepn spray nonionic anionic amphoteric
zwitterionic polymer

IT Flours and Meals
(Ceratonia siliqua; dispensing system for spraying hair preps.
contg. nonionic, anionic, amphoteric or zwitterionic
polymers)

IT Fats and Glyceridic oils, biological studies
(Japan wax; dispensing system for spraying hair preps. contg.
nonionic, anionic, amphoteric or zwitterionic polymers)

IT Polyelectrolytes
(amphoteric; dispensing system for spraying hair
preps. contg. nonionic, anionic, amphoteric or
zwitterionic polymers)

IT Polyelectrolytes
(anionic; dispensing system for spraying hair preps. contg.
nonionic, anionic, amphoteric or zwitterionic polymers)

IT Polymers, biological studies
(co-; dispensing system for spraying hair preps. contg.
nonionic, anionic, amphoteric or zwitterionic polymers)

IT Hair preparations
(creams; dispensing system for spraying hair preps. contg.
nonionic, anionic, amphoteric or zwitterionic polymers)

IT Dyes
(direct; dispensing system for spraying hair preps. contg.
nonionic, anionic, amphoteric or zwitterionic polymers)

IT Beeswax
Capillary tubes
Emulsifying agents
Gelation agents
Hair preparations
Nozzles
Oxidizing agents
Pearlescent pigments
Pigments, nonbiological
Preservatives
Reducing agents
Sunscreens
Thickening agents
(dispensing system for spraying hair preps. contg. nonionic,
anionic, amphoteric or zwitterionic polymers)

IT Aluminates
Candelilla wax
Carnauba wax
Castor oil
Clays, biological studies

Coconut oil
Corn oil
Glycerides, biological studies
Jojoba oil
Mica-group minerals, biological studies
Oxides (inorganic), biological studies
Paraffin oils
Paraffin waxes, biological studies
Polymers, biological studies
Polyoxyalkylenes, biological studies
Polysaccharides, biological studies
Polyurethanes, biological studies
Protein hydrolyzates
Salts, biological studies
Silicates, biological studies
Soybean oil
Sunflower oil
Waxes
Wool wax

- (dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)
- IT Dispensing apparatus
 - (dosing; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)
- IT Hair preparations
 - (dyes, oxidative; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)
- IT Hair preparations
 - (dyes; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)
- IT Ceratonia siliqua
 - (flour and meal; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)
- IT Hydrocarbons, biological studies
 - (fluoro; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)
- IT Hair preparations
 - (gels; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)
- IT Castor oil
 - (hydrogenated, ethoxylated; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)
- IT Paraffin oils
 - (isoparaffin oils; dispensing system for spraying hair preps.

contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Alcohols, biological studies
(lanolin; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Hair preparations
(lotions; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Emulsions
(oil-in-water; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Lanolin
(oil; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Polysiloxanes, biological studies
(oils, waxes; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Waxes
(polyolefin waxes, olive, apple; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Containers
(pressure resistant; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Hair preparations
(sprays; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Hair preparations
(styling; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Fats and Glyceridic oils, biological studies
(vegetable; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Emulsions
(water-in-oil; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT Polymers, biological studies
(zwitterionic; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT 9005-25-8D, Starch, hydrolized
(corn; dispensing system for spraying hair preps. contg. nonionic, anionic, amphoteric or zwitterionic polymers)

IT 50-70-4, Sorbitol, biological studies 74-98-6, Propane, biological studies 81-13-0, Panthenol 106-97-8, n-Butane, biological studies 107-43-7, Betaine 111-01-3, Squalan 112-02-7, Cetyltrimethyl ammonium chloride 112-03-8, Stearyltrimethyl

ammonium chloride 115-10-6, Dimethyl ether 667-83-4, Pantothenyl
 ethyl ether 832-01-9, Methyl p-methoxycinnamate 1309-37-1, C.I.
 77491, biological studies 1390-65-4, Carmine 4065-45-6,
 2-Hydroxy-4-methoxybenzophenone-5-sulfonic acid 5466-77-3,
 4-Methoxycinnamic acid-2-ethylhexyl ester 7631-86-9, Silica,
 biological studies 7787-59-9, C.I. 77163 9000-07-1, Carrageenan
 9000-30-0, Guar gum 9000-36-6, Karaya gum 9002-89-5, Polyvinyl
 alcohol 9003-05-8, Polyacrylamide 9003-39-8,
 Polyvinylpyrrolidone 9004-62-0, Hydroxyethylcellulose 9004-64-2,
 Hydroxypropylcellulose 9012-76-4D, Chitosan, hydroxyalkyl derivs.
 10101-66-3, C.I. 77742 11138-66-2, Xanthan gum 11138-66-2D,
 Xanthan gum, dehydroxy deriv. 12001-99-9, C.I. 77289 12227-89-3,
 C.I. 77499 12240-15-2, C.I. 77510 12769-96-9, C.I. 77007
 13463-67-7, Titanium dioxide, biological studies 25035-26-1
 25086-89-9, Vinylpyrrolidone-vinylacetate copolymer 25189-83-7,
 Polyvinylcaprolactam 25212-88-8, Ethyl acrylate-methacrylic acid
 copolymer 25322-68-3, Polyethylene glycol 25609-89-6, Crotonic
 acid-vinyl acetate copolymer 26062-56-6 26062-79-3 26124-25-4
 26590-05-6 30581-59-0 39346-84-4, Hydroxypropyl starch phosphate
 39421-75-5, Hydroxypropylguar 51274-00-1, Iron oxide yellow
 58748-38-2 102972-64-5 104365-75-5, Glycerylpolyacrylate
 116242-27-4 131649-91-7 146126-21-8, Glycerylpolymethacrylate
 159666-35-0 180005-72-5 189767-69-9, Polyquaternium 35
 197969-51-0 246046-14-0 306769-73-3 696602-27-4,
 Polyquaternium 57 866269-21-8

(dispensing system for spraying hair preps. contg. nonionic,
 anionic, amphoteric or zwitterionic polymers)

L45 ANSWER 13 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 143:372832 HCA Full-text

TI Dispensing system for spraying hair preparations containing
surfactants

PA Wella A.-G., Germany

SO Ger. Gebrauchsmusterschrift, 18 pp.

CODEN: GGXXFR

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	
PI	DE 202005009618	U1	20051013	DE 2005-202005009618	200506 20

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PRAI DE 2005-202005009618 20050620 <--

AB The invention concerns a product dispenser for spraying hair preps. that is composed of (a) a pressure-resistant container; (b) a capillary tube with nozzle; (c) a propellant-contg. cosmetic formulation; the formulation includes at least one surfactant. Thus a shampoo contained (g): sodium lauryl ether sulfate 7.7; Laureth-4 3.0; PEG-2000 hydrogenated glyceryl palmitate 2.8; ammonium lauryl sulfate 2.75; cocoamidopropyl betaine 2.55; PEG-7 glyceryl cocoate 0.7; hydroxypropyl guar hydroxypropyl trimonium chloride 0.3; Polyquaternium-47 0.2; hydrolyzed silk protein 0.01; perfume, preservative q.s.; water to 100. 60 Wt./wt.% of the compn. was filled into a container with 40 wt./wt.% propan/butane at 4.8 bar.

IT 306769-73-3

(dispensing system for spraying hair preps. contg. surfactants)

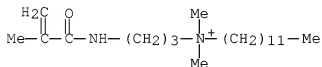
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . C1

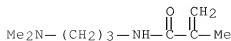


● C1-

CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-06
ICS B05B007-24
CC 62-3 (Essential Oils and Cosmetics)
IT Surfactants
(amphoteric; dispensing system for spraying hair
preps. contg. surfactants)
IT 50-78-2, Acetylsalicylic acid 69-72-7, Salicylic acid, biological
studies 74-98-6, Propane, biological studies 106-97-8, n-Butane,
biological studies 115-10-6, Dimethyl ether 151-41-7, Lauryl
sulfate 499-44-5, Hinokitiol 1333-28-4D, Undecenoic acid,
derivs. 1847-55-8 2235-54-3, Ammonium lauryl sulfate
7704-34-9, Sulfur, biological studies 9000-07-1, Carrageenan
9000-30-0, Guar gum 9000-36-6, Karaya gum 9002-89-5, Polyvinyl
alcohol 9002-92-0, Laureth-4 9003-05-8, Polyacrylamide
9003-39-8, Polyvinylpyrrolidone 9004-32-4, Carboxymethylcellulose
9004-62-0, Hydroxyethylcellulose 9004-64-2, Hydroxypropylcellulose
9004-67-5, Methylcellulose 9004-82-4, Sodium lauryl ether sulfate
9011-16-9, Maleic anhydride-methyl vinyl ether copolymer
9012-76-4, Chitosan 9012-76-4D, Chitosan, hydroxyalkyl,
alkyl-hydroxyalkyl, N-hydroxylalkylchitosan alkylether derivs.
11138-66-2, Xanthan gum 11138-66-2D, Xanthan gum, dehydroxy deriv.
13463-41-7, Zinc pyrithione 25086-89-9, Vinylpyrrolidone-
vinylacetate copolymer 25189-83-7, Polyvinylcaprolactam
25322-68-3, Polyglycole 26183-44-8 26838-05-1 28518-51-6,
Lauryl sulfosuccinate 30581-59-0 31694-55-0D, cocoyl esters
38083-17-9, Climbazole 39346-84-4, Hydroxypropyl starch phosphate
39421-75-5, Hydroxypropylguar 62755-21-9, Magnesium lauryl ether
sulfate 68890-66-4, Piroctone olamine 71329-50-5, Hydroxypropyl
guar hydroxypropyltrimonium chloride 81859-24-7, Polyquaternium-10
102972-64-5 104365-75-5, Glycerylpolyacrylate 107647-97-2
146126-21-8, Glycerylpolymethacrylate 189767-69-9, Polyquaternium
35 19799-51-0, Polyquaternium-47 279694-42-7
306769-73-3 696602-27-4, Polyquaternium 57 866464-73-5,

Polygel W 400

(dispensing system for spraying hair prepns. contg. surfactants)

L45 ANSWER 14 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 143:372830 HCA Full-text

TI Use of N-hydroxyalkyl-O-benzylchitosans in hair treatment compositions

IN Krause, Thomas; Baumeister, Jan; Weber, Dirk; Lang, Guenther; Beyer, Angelika; Florig, Ellen; Gaenger, Klaus; Schiemann, Hartmut

PA Wella Aktiengesellschaft, Germany

SO Eur. Pat. Appl., 30 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
PI	EP 1584323	A1	20051012	EP 2005-3964	200502 24

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EP 1584323 B1 20071024

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU,
PL, SK, BA, HR, IS, YU

DE	102004017431	A1	20051027	DE 2004-102004017431	200404 08
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AT	376446	T	20071115	AT 2005-3964	200502 24
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US	20050226838	A1	20051013	US 2005-100225	200504 06
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PRAI DE 2004-102004017431 A 20040408 <--

AB The invention concerns hair treatment compns. that include (A) N-hydroxyalkyl-O-benzylchitosans that are prepd. by the N-hydroxyalkylation of chitosan with an alkylene oxide and simultaneous or consecutive O-benylation with a reactive benzyl-compd.; (B) hair treatment substances for conditioning, styling etc., selected from the group of polymers, plant exts., surfactants, etc. Screens can be added. Thus a hair conditioning foam contained (wt./wt.%): N-hydroxypropyl-O-benzylchitosan 0.50; PEG-35 castor oil 0.3; PEG-4

lauryl ether 0.3; cetrimonium chloride 0.1; isopropanol 0.07; ethanol 10; Polyquaternium-16 1.4; perfume 0.3; water to 100. 96 G of the compn. was filled into a container with 4 g of a propellant mixt. prepd. from 50% propane and 50% n-butane.

IT 306769-73-3

(use of N-hydroxyalkyl-O-benzylchitosans in hair treatment compns.)

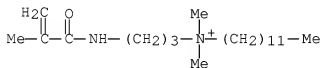
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

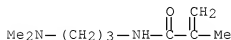
CMF C21 H43 N2 O . Cl



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-06
 CC 62-3 (Essential Oils and Cosmetics)
 Section cross-reference(s): 38
 IT Polymers, biological studies
 (zwitterionic, amphoteric; use of N-hydroxyalkyl-O-
 benzylchitosans in hair treatment compns.)
 IT 50-70-4, Sorbitol, biological studies 51-78-5, p-Aminophenol
 hydrochloride 68-11-1, Thioglycolic acid, biological studies
 74-98-6, Propane, biological studies 81-13-0, Panthenol
 106-97-8, n-Butane, biological studies 107-43-7, Betaine
 108-46-3, Resorcin, biological studies 111-01-3, Squalane
 112-02-7, Cetrimonium chloride 115-10-6, Dimethylether 151-21-3,
 Sodium lauryl sulfate, biological studies 667-83-4, Pantothenyl
 ethyl ether 832-01-9, Methyl p-methoxycinnamate 1309-37-1, C.I.
 77491, biological studies 1343-78-8, Cochineal 1390-65-4,
 Carmine 4065-45-6, 2-Hydroxy-4-methoxybenzophenone-5-sulfonic acid
 5466-77-3, 4-Methoxycinnamic acid-2-ethylhexyl ester 6369-59-1
 7722-84-1, Hydrogen peroxide, biological studies 7757-83-7, Sodium
 sulfite 9002-89-5, Polyvinyl alcohol 9003-01-4, Acrylic acid
 homopolymer 9003-39-8, Polyvinylpyrrolidone 9003-53-6D,
 Polystyrene, sulfonated, sodium salt 9004-64-2, Hydroxypropyl
 cellulose 9004-82-4, Sodium lauryl ether sulfate 9005-66-7,
 Polyethylene glycol sorbitan monopalmitate 9012-76-4D, Chitosan,
 N-hydroxyalkyl-O-benzyl derivs. 9016-00-6, Polydimethylsiloxane
 9016-45-9, Polyethylene glycol nonylphenyl ether 9038-95-3
 11099-07-3, Glyceryl stearate 12001-99-9, C.I. 77289 12227-89-3,
 C.I. 77499 12240-15-2, C.I. 77510 13463-67-7, Titanium dioxide,
 biological studies 25035-26-1 25086-29-7, N-Vinylpyrrolidone-
 styrene copolymer 25086-89-9, Vinylpyrrolidone-Vinylacetate
 Copolymer 25189-83-7, Polyvinylcaprolactam 25212-88-8, Ethyl
 acrylate-methacrylic acid copolymer 25233-30-1, Polyaniline
 25609-89-6, Vinyl acetate-crotonic acid copolymer 26062-56-6
 26062-79-3, Poly(dimethyldiallylammonium chloride) 26590-05-6
 30581-59-0 31900-57-9, Polydimethylsiloxane 51274-00-1, Iron
 oxide yellow 53633-54-8, Polyquaternium 11 58748-38-2
 95144-24-4, Polyquaternium 16 102972-64-5 104452-09-7
 116242-27-4 126213-51-2, 3,4-Polyethylenedioxythiophene
 131649-91-7 142769-93-5 143710-73-0, Dow Corning 929
 159666-35-0 189767-69-9, Polyquaternium 35 246046-14-0

279694-42-7 306769-73-3 696602-27-4, Polyquaternium 57
 719296-88-5, Ethylene oxide-lactide triblock copolymer
 845511-94-6, Caprolactam-Ethylene oxide triblock copolymer
 866468-24-8, N-Hydroxypropyl-O-benzylchitosan 866468-25-9,
 N-Hydroxyethyl-O-benzylchitosan 866468-26-0, N-Hydroxybutyl-O-
 benzylchitosan

(use of N-hydroxyalkyl-O-benzylchitosans in hair treatment
 compns.)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 15 OF 26 HCA COPYRIGHT 2008 ACS on STN
 AN 143:372828 HCA Full-text
 TI Stable foamed compositions comprising alkoxyated silicone compounds
 for hairstyling
 IN Baumeister, Jan; Maillefer, Sarah; Rehmann, Andre
 PA Switz.
 SO U.S. Pat. Appl. Publ., 14 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	
PI	US 20050222001	A1	20051006	US 2005-98171	200504 04
				<--	
DE	102004016683	A1	20051027	DE 2004-102004016683	200404 05
				<--	
EP	1588692	A1	20051026	EP 2005-3965	200502 24
				<--	
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
JP	2005289994	A	20051020	JP 2005-94005	200503 29
				<--	

PRAI DE 2004-102004016683 A 20040405 <--
 AB The present invention relates to stable foamed compns. These compns.
 contain water and at least one alkoxyated silicone compd., selected

from one or more of the following compd. classes: bis-alkoxylated silicone compds., alkoxylated silicone waxes, water-insol. alkoxylated silicone compds. and esters of fatty acids and alkoxylated silicone compds. The solid foamed compns. preferably contain addnl. consistency-imparting agents, which are waxy substances that are solid at 25°C. and/or thickeners. The mixt. of ingredients, from which the stable foamed compn. is made, is foamed with air and/or an inert gas and has a stable d. of less than or equal to 0.8 g/cm².

IT 306769-73-3

(stable foamed compns. comprising alkoxylated silicone compds. for hairstyling)

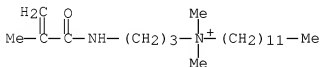
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . Cl

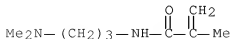


● Cl⁻

CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-075

INCL 510123000

CC 62-3 (Essential Oils and Cosmetics)

IT Polyelectrolytes

(amphoteric; stable foamed compns. comprising
alkoxylated silicone compds. for hairstyling)

IT 81-13-0, Panthenol 88-12-0D, copolymers contg. 111-46-6D,
Diglycol, Polyesters 121-91-5D, Isophthalic acid, Polyesters
124-38-9, Carbon dioxide, biological studies 1343-88-0, Magnesium
silicate 7398-69-8D, Diallyldimethylammonium chloride, Cationic
derivs. 7727-37-9, Nitrogen, biological studies 9000-01-5, Gum
arabic 9000-07-1, Carrageenan 9000-30-0, Guar gum 9000-30-0D,
Guar, alkylated, hydroxyalkylated 9000-36-6, Karaya gum
9000-69-5, Pectin 9002-18-0, Agar-agar 9002-89-5, Polyvinyl
alcohol 9003-01-4D, Polyacrylic acid, cross-linked 9003-39-8,
Polyvinyl pyrrolidone 9003-53-6D, Polystyrene, sulfonated, sodium
salt 9004-32-4, Carboxymethyl cellulose 9004-62-0, Hydroxyethyl
cellulose 9004-62-0D, Hydroxyethyl Cellulose, Cationic derivs.
9004-64-2, Hydroxypropyl cellulose 9004-65-3, Hydroxypropylmethyl
cellulose 9004-67-5, Methyl cellulose 9005-25-8, Starch,
biological studies 9005-32-7, Alginic acid 9012-76-4D, Chitosan,
N-alkyl ether derivs. 11138-66-2, Xanthan gum 12173-47-6,
Hectorite 13474-25-4 22326-31-4D, Sulfoisophthalic acid,
Polyesters 25035-26-1 25086-89-9, Vinyl pyrrolidone Vinyl
acetate copolymer 25153-40-6D, mono alkyl ester derivs.
25189-83-7, Polyvinyl caprolactam 25212-88-8D, Ethyl acrylate
Methacrylic acid copolymer, Cross-linked 25609-89-6D, Vinyl
acetate Crotonic acid copolymer, Cross-linked or uncross-linked
26062-56-6 26062-79-3, Poly(dimethyldiallylammonium chloride)
26124-25-4 26161-33-1, Polytrimethylammonioethylmethacrylate
chloride 26590-05-6 27193-25-5D, Cyclohexanedimethanol,
Polyesters 38139-93-4 39464-87-4, Sclerotium gum 58748-38-2,
RESYN28-2930 102972-64-5 136392-68-2 159666-35-0
189767-69-9, Polyquaternium 35 246046-14-0 279694-42-7

299173-01-6 306769-73-3 696602-27-4, Polyquaternium 57
 710312-82-6D, fatty acid ester 866269-21-8
 (stable foamed compns. comprising alkoxyated silicone compds.
 for hairstyling)

L45 ANSWER 16 OF 26 HCA COPYRIGHT 2008 ACS on STN
 AN 141:42534 HCA Full-text
 TI Hair dyeing composition comprising p-phenylenediamine with a
 pyrrolidine ring and a polymer
 IN Cotteret, Jean; Lagrange, Alain
 PA L'oreal, Fr.
 SO Eur. Pat. Appl., 53 pp.
 CODEN: EPXXDW
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1428506	A1	20040616	EP 2003-293131	200312 12
				<--	
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	FR 2848433	A1	20040618	FR 2002-15766	200212 13
				<--	
	US 20040216246	A1	20041104	US 2003-735524	200312 12

PRAI FR 2002-15766 A 20021213 <--
 US 2003-450338P P 20030228 <--
 AB Hair dyeing compn. comprise p-phenylenediamine with a cationic
 pyrrolidine ring and a polymer with fatty chains. Thus, a compn.
 contained oleic acid 9, polyglyceryl oleyl ether 12,
 diethylaminopropyl laurylamino succinamate sodium salt 3, ethoxylated
 oleylamine 7, ethoxylated alkyl ether monoethanolamide 10, ammonium
 acetate 20, hexylene glycol 20, reducing agents 0.915, sequestrants
 1, [1-(4-aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride 0.8,
 ACP-1234 0.2, 2-methyl-5-aminophenol 0.5, perfume qs, ammonia 10.2,
 and water qs to 100 g. The above compn. was mixed with 6% H2O2 and
 applied onto hair.
 IT 306769-69-7 306769-73-3

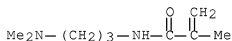
(hair dyeing compn. comprising phenylenediamine with pyrrolidine ring and polymer)

RN 306769-69-7 HCA
CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, salt with 4-methylbenzenesulfonic acid (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

CM 1

CRN 5205-93-6

CMF C9 H18 N2 O



CM 2

CRN 88-12-0

CMF C6 H9 N O



CM 3

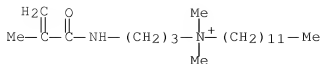
CRN 306769-68-6

CMF C21 H43 N2 O . C7 H7 O3 S

CM 4

CRN 129684-48-6

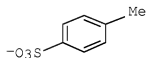
CMF C21 H43 N2 O



CM 5

CRN 16722-51-3

CMF C7 H7 O3 S



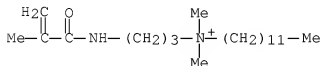
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . Cl

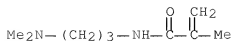


● Cl⁻

CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

IT Surfactants

(amphoteric; hair dyeing compn. comprising

phenylenediamine with pyrrolidine ring and polymer)

IT 56-81-5, Glycerol, biological studies 57-55-6, Propylene glycol, biological studies 64-17-5, Ethanol, biological studies 79-10-7D, Acrylic acid, esters, polymers 79-41-4D, Methacrylic acid, esters, polymers 90-15-3, α -Naphthol 95-55-6D, o-Aminophenol, derivs. 95-88-5, 4-ChloroResorcinol 106-50-3D, p-Phenylenediamine, derivs. 108-45-2, 1,3-Diaminobenzene, biological studies 108-45-2D, m-Phenylenediamine, derivs. 108-46-3, Resorcinol, biological studies 108-46-3D, Resorcinol, derivs. 123-30-8D, p-Aminophenol, derivs. 124-43-6 533-31-3, Sesamol 591-27-5D, m-Aminophenol, derivs. 608-25-3, 2-MethylResorcinol 2380-86-1, 6-Hydroxyindole 2380-94-1, 4-Hydroxyindole 7469-77-4, 2-Methyl-1-Naphthol 7556-37-8, 4-Hydroxy-N-methylindole 7722-84-1, Hydrogen peroxide, biological studies 9003-39-8D, Polyvinylpyrrolidone, cationic derivs. 9004-34-6D, Cellulose, cationic derivs. 9035-73-8, Oxidase 16867-03-1, 2-Amino-3-hydroxypyridine 25711-72-2, 3-Ureido aniline 26021-57-8, 6-Hydroxybenzomorpholine 26455-21-0 28062-60-4, Acrylic acid-lauryl methacrylate copolymer 70643-19-5 81329-90-0 81892-72-0 85679-78-3, 3,5-DiAmino-2,6-dimethoxypyridine

138789-85-2, Pemulen TR1	146701-61-3, Carbopol 1382	149330-25-6
306769-69-7 306769-73-3	402941-00-8	
435275-61-9	435275-62-0	435275-65-3
435275-68-6	435275-69-7	435275-70-0
435275-74-4	435275-82-4	607355-12-4
607355-17-9	607355-18-0	607355-19-1
701975-01-1	701975-04-4	701975-07-7
701975-10-2	701975-11-3	701975-12-4
701975-15-7	701975-16-8	701975-17-9
701975-20-4	701975-21-5	701975-22-6
701975-25-9	701975-26-0	701975-27-1
701975-30-6	701975-31-7	701975-32-8
701975-35-1		701975-33-9

(hair dyeing compn. comprising phenylenediamine with pyrrolidine ring and polymer)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 17 OF 26 HCA COPYRIGHT 2008 ACS on STN
AN 140:362540 HCA Full-text
TI Dyeing composition for oxidation of keratinic fibers containing a cationic poly(vinyl lactam) and at least an oxidizing dye in the form of sulfate ion
IN Cottard, Francois; Rondeau, Christine
PA L'Oreal, Fr.
SO Fr. Demande, 60 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	FR 2845909	A1	20040423	FR 2002-13102	20021021
				<--	
	FR 2845909	B1	20060922		
	EP 1413288	A1	20040428	EP 2003-292608	20031021
				<--	

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

US 20040133993	A1	20040715	US 2003-688958	200310
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21

US 20050235431 A9 20051027 <--
 JP 2004217624 A 20040805 JP 2003-394731

200310

21

PRAI FR 2002-13102 A 20021021 <--
 US 2003-475490P P 20030604 <--

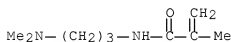
AB A compn. for oxidative dyeing of keratinous fibers, in particular human hair, comprises at least an oxidative dye in the form of sulfate ion at a concn. of $\geq 2\%$ and a cationic poly(vinyl lactam). Formulation of an oxidative hair dye contg. fatty acids and Polymer ACP-1234 is disclosed.

IT 306769-69-7 306769-73-3
 (dyeing compn. for oxidn. of keratinic fibers contg. cationic poly(vinyl lactam) and at least oxidizing dye in form of sulfate ion)

RN 306769-69-7 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, salt with 4-methylbenzenesulfonic acid (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

CM 1

CRN 5205-93-6
 CMF C9 H18 N2 O



CM 2

CRN 88-12-0
 CMF C6 H9 N O



CM 3

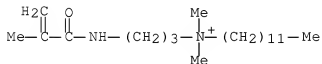
CRN 306769-68-6

CMF C21 H43 N2 O . C7 H7 O3 S

CM 4

CRN 129684-48-6

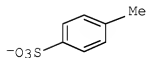
CMF C21 H43 N2 O



CM 5

CRN 16722-51-3

CMF C7 H7 O3 S



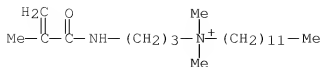
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

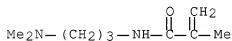
CMF C21 H43 N2 O . C1



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

IT Polyelectrolytes

(amphoteric; dyeing compn. for oxidn. of keratinic fibers contg. cationic poly(vinyl lactam) and at least oxidizing dye in form of sulfate ion)

IT 55-55-0 88-12-0D, polymers with methacrylamides 5205-93-6D, cocoyl derivs., polymers with vinylpyrrolidone and methacrylamides 6369-59-1 58262-44-5 155601-17-5 159621-77-9 164919-03-3 306769-69-7 306769-73-3 444572-28-5, ACP-1234

(dyeing compn. for oxidn. of keratinic fibers contg. cationic poly(vinylactam) and at least oxidizing dye in form of sulfate ion)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 18 OF 26 HCA COPYRIGHT 2008 ACS on STN
AN 140:344499 HCA Full-text
TI Oxidative hair dye compositions comprising a cationic poly(vinylactam) and at least a C10-14 fatty alcohol
IN Cottard, Francois; Rondeau, Christine
PA L'oreal, Fr.
SO Fr. Demande, 59 pp.
CODEN: FRXXBL

DT Patent
LA French

FAN.CNT 1

	PATENT NO. ----- -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
PI	FR 2845908	A1	20040423	FR 2002-13100	200210 21
				<--	
	FR 2845908	B1	20060616		
	EP 1413289	A1	20040428	EP 2003-292609	200310 21
				<--	
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	US 20040133994	A1	20040715	US 2003-688970	200310 21

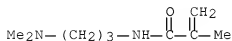
US 7323015 B2 20080129
PRAI FR 2002-13100 A 20021021 <--
US 2003-475495P P 20030604 <--
AB A compn. for oxidative dyeing of keratin fibers, in particular human hair, comprises at least an oxidative dye and at least a C10-14 fatty alc. and a cationic poly(vinylactam). Formulation of an oxidative hair dye contg. fatty alcs. and Polymer ACP-1234 is disclosed.
IT 306769-69-7 306769-73-3
(oxidative hair dye compns. comprising cationic poly(vinylactam) and C10-14 fatty alcs.)
RN 306769-69-7 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, salt with 4-methylbenzenesulfonic acid (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

CM 1

CRN 5205-93-6

CMF C9 H18 N2 O



CM 2

CRN 88-12-0

CMF C6 H9 N O



CM 3

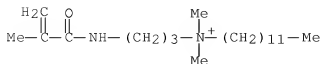
CRN 306769-68-6

CMF C21 H43 N2 O . C7 H7 O3 S

CM 4

CRN 129684-48-6

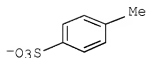
CMF C21 H43 N2 O



CM 5

CRN 16722-51-3

CMF C7 H7 O3 S



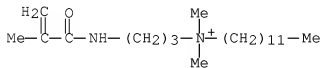
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . Cl

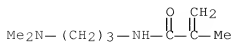


● Cl⁻

CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

IT Polyelectrolytes
Surfactants

(amphoteric; oxidative hair dye compns. comprising
cationic poly(vinyl lactam) and C10-14 fatty alcs.)

IT 79-10-7D, Acrylic acid, polymers with dimethyldiallylammonium salts
88-12-0D, NVP, polymers with aminopropylmethacrylamide and
cocoylmethacrylamidopropylammonium derivs. 95-55-6, 2-Aminophenol
95-55-6D, o-Aminophenol, derivs. 106-50-3D, 1,4-Benzenediamine,
derivs. 108-45-2D, m-Phenylenediamine, derivs. 108-46-3,
Resorcinol, biological studies 112-53-8, Lauryl alcohol
112-72-1, Myristyl alcohol 123-30-8, 4-Aminophenol 123-30-8D,
p-Aminophenol, derivs. 123-96-6, Capryl alcohol 124-43-6
591-27-5, 3-Aminophenol 591-27-5D, m-Aminophenol, derivs.
608-25-3, 2-Methylresorcinol 7722-84-1, Hydrogen peroxide,
biological studies 9002-92-0, Ethoxylated Lauryl alcohol
26183-52-8 48042-45-1D, Dimethyldiallylammonium, salts, polymers
with acrylic acid 67296-21-3D, Dimethylaminopropylmethacrylamide,
polymers with vinylpyrrolidone and cocoylmethacrylamidopropylammoniu
m derivs. 68393-49-7 223104-80-1 306769-68-6
306769-69-7 306769-73-3 444572-28-5, ACP-1234

(oxidative hair dye compns. comprising cationic poly(vinyl lactam)
and C10-14 fatty alcs.)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 19 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 140:344498 HCA Full-text

TI Oxidative hair dye compositions comprising a cationic

poly(vinyl lactam) and a C10-14 fatty acid
 IN Cottard, Francois; Rondeau, Christine
 PA L'oreal, Fr.
 SO Fr. Demande, 58 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	FR 2845907	A1	20040423	FR 2002-13099	200210 21
				<--	
	FR 2845907	B1	20060616		
	EP 1413287	A1	20040428	EP 2003-292604	200310 20
				<--	
	EP 1413287	B1	20051214		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	AT 312591	T	20051215	AT 2003-292604	200310 20
				<--	
	ES 2253650	T3	20060601	ES 2003-292604	200310 20
				<--	
	JP 2004149539	A	20040527	JP 2003-394730	200310 21
				<--	
	US 20040133995	A1	20040715	US 2003-690696	200310 21
				<--	
	US 7147672	B2	20061212		
PRAI	FR 2002-13099	A	20021021	<--	
	US 2003-475489P	P	20030604	<--	
AB	A compn. for oxidative dyeing of keratinous fibers, in particular human hair, comprises at least an oxidative dye and at least a C10-14 fatty acid and a cationic poly(vinyl lactam). The formulation of an				

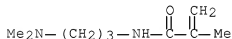
oxidative hair dye contg. fatty acids and Polymer ACP-1234 is disclosed.

IT 306769-69-7 306769-73-3
(oxidative hair dye compns. comprising cationic poly(vinyl lactam)
and C10-14 fatty acid)
RN 306769-69-7 HCA
CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, salt with 4-methylbenzenesulfonic acid (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

CM 1

CRN 5205-93-6

CMF C9 H18 N2 O



CM 2

CRN 88-12-0

CMF C6 H9 N O



CM 3

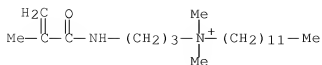
CRN 306769-68-6

CMF C21 H43 N2 O . C7 H7 O3 S

CM 4

CRN 129684-48-6

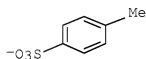
CMF C21 H43 N2 O



CM 5

CRN 16722-51-3

CMF C7 H7 O3 S



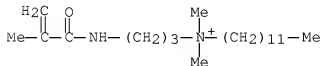
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

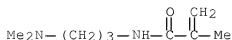
CRN 126758-30-3

CMF C21 H43 N2 O . Cl



CM 2

CRN 5205-93-6
CMF C9 H18 N2 O



CM 3

CRN 88-12-0
CMF C6 H9 N O



IC ICM A61K007-13
CC 62-3 (Essential Oils and Cosmetics)
IT Polyelectrolytes
Surfactants
(amphoteric; oxidative hair dye compns. comprising
cationic poly(vinyl lactam) and C10-14 fatty acid)
IT 79-10-7D, Acrylic acid, polymers with polymers with
dimethyldiallyl ammonium salts 88-12-0D, NVP, polymers with
aminopropylmethacrylamide and cocoylmethacrylamidopropyl ammonium
derivs. 95-55-6, o-Aminophenol 95-55-6D, o-Aminophenol, derivs.
106-50-3, p-Phenylenediamine, biological studies 106-50-3D,
p-Phenylenediamine, derivs. 108-45-2D, m-Phenylenediamine, derivs.
108-46-3, Resorcinol, biological studies 108-46-3D, Resorcinol,
derivs. 123-30-8, p-Aminophenol 123-30-8D, p-Aminophenol,
derivs. 124-43-6 143-07-7, Lauric acid, biological studies
334-48-5, Capric acid 544-63-8, Myristic acid, biological studies
591-27-5, m-Aminophenol 591-27-5D, m-Aminophenol, derivs.
608-25-3, 2-Methylresorcinol 7722-84-1, Hydrogen peroxide,
biological studies 48042-45-1D, Dimethyldiallyl ammonium, salts,
polymers with acrylic acid 67296-21-3D,
Dimethylaminopropylmethacrylamide, polymers with vinylpyrrolidone
and cocoylmethacrylamidopropyl ammonium derivs. 68393-49-7
223104-80-1 306769-68-6 306769-69-7 306769-73-3

444572-28-5, ACP-1234

(oxidative hair dye compns. comprising cationic poly(vinyl lactam)
and C10-14 fatty acid)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 20 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 139:41427 HCA Full-text

TI Hair fixatives containing a terpolymer and cationic compounds

IN Primmell, Bettina; Liebelt, Kerstin

PA Beiersdorf AG, Germany

SO Eur. Pat. Appl., 4 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 1319390	A2	20030618	EP 2002-26711
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200211
30

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EP 1319390	A3	20031217
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

DE 10160991	A1	20030618	DE 2001-10160991
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200112
12

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PRAI DE 2001-10160991 A 20011212 <--

AB The invention concerns hair fixatives that contain a
vinylpyrrolidone-dimethylaminopropylmethacrylamide-quaternized
alkyldimethylaminopropylmethacrylamide terpolymer and a cationic
substance selected from the group of cationic, betainic or amphoteric
surfactant, polysiloxane with cationic groups, cationic derivatized
proteins or their hydrolyzates. The terpolymers enhance the foaming
properties of the cationic components. Thus a compn. contained
(wt./wt.%): Styleze W-20 2; cetyltrimethylammonium chloride 0.3;
perfume, emulsifier, preservative, pH-setting agent q.s.; propane-
butane 10; water to 100.

IT 306769-73-3, Styleze W 20

(Styleze W 20; hair fixatives contg. a terpolymer and cationic
comps.)

RN 306769-73-3 HCA

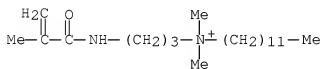
CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-
yl)amino]propyl]-, chloride (1:1), polymer with N-[3-

(dimethylamino)propyl]-2-methyl-2-propenamide and
1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

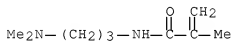
CMF C21 H43 N2 O . Cl



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

IT Surfactants
 (amphoteric; hair fixatives contg. a terpolymer and
 cationic compds.)
 IT 306769-73-3, Styleze W 20
 (Styleze W 20; hair fixatives contg. a terpolymer and cationic
 compds.)

L45 ANSWER 21 OF 26 HCA COPYRIGHT 2008 ACS on STN
 AN 139:41426 HCA Full-text
 TI Hair fixative composition with anionic and/or amphoteric
 film-forming polymer
 IN Primmell, Bettina; Liebelt, Kerstin
 PA Beiersdorf AG, Germany
 SO Eur. Pat. Appl., 6 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 1319389	A2	20030618	EP 2002-26710	200211 30
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EP 1319389	B1	20070321		
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DE 10160992	A1	20030618	DE 2001-10160992	200112 12
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AT 357208	T	20070415	AT 2002-26710	200211 30
<--				
ES 2282361	T3	20071016	ES 2002-26710	200211 30
<--				

PRAI DE 2001-10160992 A 20011212 <--
 AB The invention concerns hair fixatives that contain a
 vinylpyrrolidone-dimethylaminopropylmethacrylamide-quaternized
 alkyl dimethylaminopropylmethacrylamide terpolymer and an anionic or
 amphoteric polymer. Basic substances are added to neutralize the
 acidic polymers. The compns. are applied from pump spray cans or

with the help of propellants. Thus an ultra-strong hold styling foam contained (wt./wt.%): Styleze W-20 1; Luviflex Soft 3; aminomethylpropanol 0.5; cetyltrimethylammonium chloride 0.3; perfume, emulsifier, preservative, pH setting soln. q.s; propane/butane 10; water to 100.

IT 306769-73-3, Styleze W 20

(Styleze W 20; hair fixative compn. with anionic and/or amphoteric film-forming polymer)

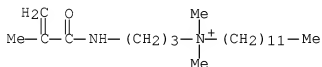
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . C1

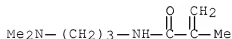


● C1-

CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-11
 CC 62-3 (Essential Oils and Cosmetics)
 ST hair fixative anionic amphoteric film forming polymer
 IT Polyelectrolytes
 (amphoteric; hair fixative compn. with anionic and/or
 amphoteric film-forming polymer)
 IT Polyelectrolytes
 (anionic; hair fixative compn. with anionic and/or
 amphoteric film-forming polymer)
 IT Hair preparations
 (fixatives; hair fixative compn. with anionic and/or
 amphoteric film-forming polymer)
 IT Hair preparations
 (gels, styling; hair fixative compn. with anionic and/or
 amphoteric film-forming polymer)
 IT Propellants (sprays and foams)
 (hair fixative compn. with anionic and/or amphoteric
 film-forming polymer)
 IT 306769-73-3, Styleze W 20
 (Styleze W 20; hair fixative compn. with anionic and/or
 amphoteric film-forming polymer)
 IT 74-98-6, Propane, biological studies 75-28-5, Isobutane
 106-97-8, n-Butane, biological studies 112-02-7, Cetyltrimethyl
 ammonium chloride 124-68-5 9003-01-4, Polyacrylic acid
 9003-06-9, Acrylic acid-acrylamide copolymer 9080-79-9,
 Poly(styrenesulfonate) sodium salt 24980-58-3, Acrylic
 acid-vinylacetate copolymer 25087-26-7, Polymethacrylic acid
 25153-40-6, Methylvinyl ether-maleic acid copolymer 25609-89-6,
 Crotonic acid-vinylacetate copolymer 25751-21-7, Acrylic
 acid-methacrylic acid copolymer 26062-56-6 28185-36-6,
 Butylacrylate-N-vinylpyrrolidone copolymer 58374-38-2, Sodium
 acrylate-vinylalcohol copolymer 67016-70-0, Amphomer 68928-72-3
 84647-47-2, Acrylamide-octylacrylamide copolymer 162821-27-4
 356522-89-9, Luviflex Soft
 (hair fixative compn. with anionic and/or amphoteric
 film-forming polymer)

AN 137:145185 HCA Full-text
 TI Reducing composition for treating keratinous materials comprising a
 cationic poly(vinyl lactam)
 IN Legrand, Frederic; De La Mettrie, Roland
 PA L'Oreal, Fr.
 SO PCT Int. Appl., 44 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2002058661	A1	20020801	WO 2002-FR254	200201 22
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	FR 2820035	B1	20030502		
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	EP 1357891	A1	20031105	EP 2002-700363	200201 22
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	BR 2003000084	A	20041013	BR 2003-84	200301 06
				<--	
	PRAI FR 2001-1105	A	20010126	<--	

WO 2002-FR254 W 20020122 <--

AB The invention concerns a cosmetic compn. for treating keratinous materials comprising in a carrier suited for the keratinous materials: (i) at least a reducing agent and (ii) at least a cationic poly(vinylactam), and its used for bleaching and permanent waving of keratinous fibers. The invention also concerns methods and devices for bleaching and permanent waving of keratinous fibers using said compn. An aq. hair bleach contained citric acid 7.4, trisodium citrate dihydrate 1, hydroxyethyl cellulose 1.5, 2-oxoglutaric acid 0.8, sodium ascorbate 5.7, L-cysteine 2, Polymer ACP-1234 (an ammonium acrylate terpolymer) 0.3, magnesium sulfate 1, and water q.s. 100 g.

IT 306769-69-7 306769-73-3
(reducing compn. for treating keratinous materials comprising cationic poly(vinylactam))

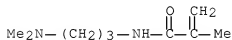
RN 306769-69-7 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, salt with 4-methylbenzenesulfonic acid (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

CM 1

CRN 5205-93-6

CMF C9 H18 N2 O



CM 2

CRN 88-12-0

CMF C6 H9 N O



CM 3

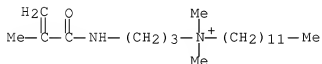
CRN 306769-68-6

CMF C21 H43 N2 O . C7 H7 O3 S

CM 4

CRN 129684-48-6

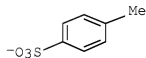
CMF C21 H43 N2 O



CM 5

CRN 16722-51-3

CMF C7 H7 O3 S



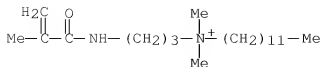
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

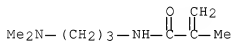
CMF C21 H43 N2 O . Cl



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-135

ICS A61K007-09; A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

IT Surfactants

(amphoteric; reducing compn. for treating keratinous materials comprising cationic poly(vinyl lactam))

IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies 52-90-4, Cystein, biological studies 60-23-1, Cysteamine 68-11-1, Thioglycolic acid, biological studies 74-79-3, Arginine, biological studies 77-92-9, Citric acid,

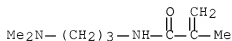
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PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
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AT 321527	T	20060415	AT 2002-700399		
					200201
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PT 1357887	T	20060831	PT 2002-700399		
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ES 2261626	T3	20061116	ES 2002-700399		
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US 20040115156	A1	20040617	US 2004-470450		
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PRAI FR 2001-1112	A	20010126	<--		
WO 2002-FR292	W	20020124	<--		
AB	The invention concerns a cosmetic compn. for hair care comprising, in a cosmetically acceptable medium: (a) at least a cationic poly(vinyl lactam), and (b) at least a fixing polymer selected among anionic, amphoteric, non-ionic fixing agents and their mixts. A mousse without propellant contained Polymer ACP-1234 (an acrylic terpolymer) 2.5, PVP/VA 1, glycerol 0.5, preservative, perfumes and water q.s. 100%.				
IT	306769-69-7 306769-73-3 (cosmetic compn. comprising fixing polymer and cationic poly(vinyl lactam))				
RN	306769-69-7 HCA				

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, salt with 4-methylbenzenesulfonic acid (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

CM 1

CRN 5205-93-6

CMF C9 H18 N2 O



CM 2

CRN 88-12-0

CMF C6 H9 N O



CM 3

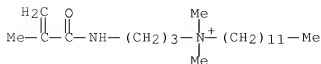
CRN 306769-68-6

CMF C21 H43 N2 O . C7 H7 O3 S

CM 4

CRN 129684-48-6

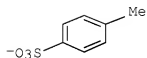
CMF C21 H43 N2 O



CM 5

CRN 16722-51-3

CMF C7 H7 O3 S



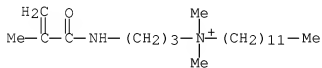
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

CMF C21 H43 N2 O . Cl

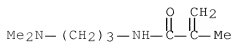


● Cl⁻

CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

Section cross-reference(s): 39

IT Polyelectrolytes

Surfactants

(amphoteric; cosmetic compn. comprising fixing polymer and cationic poly(vinyl lactam))

IT 56-81-5, Glycerin, biological studies 79-10-7D, Acrylic acid, alkyl derivs., polymers 79-10-7D, Acrylic acid, esters, polymers with vinyl acetate 79-41-4D, Methacrylic acid, alkyl derivs., polymers 88-12-0D, polymers with cocoalkylammonium dimethylaminopropylmethacrylamides 108-05-4D, Vinyl acetate, polymers with acrylic esters 5205-93-6D, cocoalkylammonium derivs., polymers with N-vinylpyrrolidone and dimethylaminopropylmethacrylamide 5205-93-6D, polymers with cocoalkylammonium dimethylaminopropylmethacrylamides and vinylpyrrolidone 6915-15-7D, Malic acid, esters, polymers with vinyl acetate 9003-20-7, Vinyl acetate homopolymer 9006-26-2, Ethylene maleic anhydride copolymer 24937-78-8D, Ethylene vinyl acetate copolymer, derivs. 39421-75-5, Jaguar hp 105 53694-17-0, Merquat-280 306769-69-7 306769-73-3 444572-28-5, ACP 1234

(cosmetic compn. comprising fixing polymer and cationic poly(vinyl lactam))

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 24 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 137:145181 HCA Full-text

TI Oxidative hair dyes comprising a cationic poly(vinyl lactam)

IN Cottard, Francois; De La Mettrie, Roland
 PA L'Oreal, Fr.
 SO PCT Int. Appl., 50 pp.
 CODEN: PIXXD2

DT Patent
 LA French

FAN.CNT 1

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EP	1357885	A1	20031105	EP 2002-700362	200201 22
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AT	314046	T	20060115	AT 2002-700362	200201 22

ES 2256441

T3

20060716

ES 2002-700362

200201
22

US 20040205901

A1

20041021

US 2004-470131

200403
26

US 7066966

B2

20060627

PRAI

FR 2001-1106

A

20010126 <--

WO 2002-FR253

W

20020122 <--

OS

MARPAT 137:145181

AB

The invention relates to an oxidn.-dyeing compn. for keratin fibers, in particular for human keratin fibers and more specifically hair, comprising at least one oxidn. dye and a cationic poly(vinylactam) in a medium suitable for dyeing. The invention also relates to the dyeing methods and devices using said compn. A hair dye contained ethoxylated fatty alcs. 32.5, oleic acid 2, oleyl alc. 1.8, fatty amides 4, glycerin 3, 60% cationic polymer 2, Merquat-280 2, 20% ammonia 8, para-phenylenediamine 0.32, 2-methyl-4-aminophenol 0.369, Polymer ACP-1234 1.0, sequestering agents, reducing agents, and water q.s. 100%. An oxidant compn. contained fatty alcs. 2.3, ethoxylated fatty alc. 0.6, fatty amines 0.9, glycerin 0.5, hydrogen peroxide 7.5, perfumes q.s., and water q.s. 100%. One part of the dye compn. is mixed with 1.5 parts of oxidant compn. and mixed, the mixt. is then applied on the hair for 30 min. The hair is then rinsed with water, washed with a shampoo, and rinsed with water to obtain a strong purple-red color.

IT

306769-69-7 306769-73-3

(oxidative hair dyes comprising cationic poly(vinylactam))

RN

306769-69-7 HCA

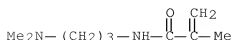
CN

1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, salt with 4-methylbenzenesulfonic acid (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

CM 1

CRN 5205-93-6

CMF C9 H18 N2 O



CM 2

CRN 88-12-0

CMF C6 H9 N O



CM 3

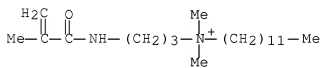
CRN 306769-68-6

CMF C21 H43 N2 O . C7 H7 O3 S

CM 4

CRN 129684-48-6

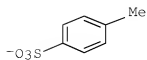
CMF C21 H43 N2 O



CM 5

CRN 16722-51-3

CMF C7 H7 O3 S

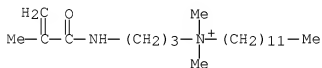


RN 306769-73-3 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

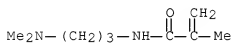
CMF C21 H43 N2 O . C1



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-06
ICS A61K007-13
CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 38
IT Polyelectrolytes
Surfactants
(amphoteric; oxidative hair dyes comprising cationic
poly(vinylactam))
IT 88-12-0D, polymers with cocoalkylammonium
dimethylaminopropylmethacrylamides 95-55-6D, derivs. 108-45-2D,
1,3-Benzenediamine, derivs. 110-86-1D, Pyridine, derivs.
123-30-8D, derivs. 124-43-6 289-95-2D, Pyrimidine, derivs.
591-27-5D, derivs. 5205-93-6D, cocoalkylammonium derivs., polymers
with vinylpyrrolidone and dimethylaminopropylmethacrylamide
7722-84-1, Hydrogen peroxide, biological studies 9000-30-0, Guar
gum 9004-34-6D, Cellulose, derivs. 9055-15-6, Oxidoreductase
36118-45-3D, Pyrazoline, derivs. 53694-17-0, Merquat-280
306769-69-7 306769-73-3 444572-28-5, ACP 1234
(oxidative hair dyes comprising cationic poly(vinylactam))
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 25 OF 26 HCA COPYRIGHT 2008 ACS on STN
AN 137:145180 HCA Full-text
TI Cosmetic composition for treating keratinous materials comprising a
cationic poly(alkyl) vinylactam polymer and a protecting or
conditioning agent
IN Cottard, Francois; De La Mettrie, Roland
PA L'Oreal, Fr.
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2002058646	A1	20020801	WO 2002-FR251	

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LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,

NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
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 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
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 SN, TD, TG

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 AU 2002233441 A1 20020806 AU 2002-233441 200201
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EP 1357884 A1 20031105 EP 2002-700360 200201
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
 PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 JP 2004520368 T 20040708 JP 2002-558980 200201
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BR 2003000083 A 20041013 BR 2003-83 200301
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US 20040131572 A1 20040708 US 2004-470195 200401
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PRAI FR 2001-1108 A 20010126 <--
 WO 2002-FR251 W 20020122 <--
 AB The invention concerns a compn. for treating keratinous materials, in
 particular hair, comprising, in a physiolo. and in particular
 cosmetically acceptable medium, at least a protecting and
 conditioning agent, and addnl. at least a cationic poly(alkyl)
 vinyl lactam polymer. Said combinations enable to improve deposition
 of the agent protecting or conditioning the keratinous materials and
 the cosmetic properties. A shampoo contained ethoxylated sodium
 lauryl sulfate 17, 30% cocoyl betaine 2.5, Polymer ACP-1234 (a
 quaternary ammonium acrylic polymer) 1, copra acid
 monoisopropanolamide 0.6, Uvinul MS40 0.1, perfume, preservatives and
 water q.s 100 g.
 IT 306769-69-7 306769-73-3

(cosmetic compn. for treating keratinous materials comprising cationic poly(alkyl) vinyl lactam polymer and protecting or conditioning agent)

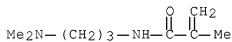
RN 306769-69-7 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, salt with 4-methylbenzenesulfonic acid (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

CM 1

CRN 5205-93-6

CMF C9 H18 N2 O



CM 2

CRN 88-12-0

CMF C6 H9 N O



CM 3

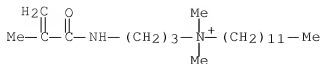
CRN 306769-68-6

CMF C21 H43 N2 O . C7 H7 O3 S

CM 4

CRN 129684-48-6

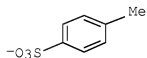
CMF C21 H43 N2 O



CM 5

CRN 16722-51-3

CMF C7 H7 O3 S



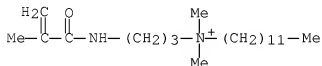
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

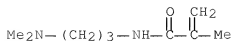
CMF C21 H43 N2 O . Cl



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

IT Surfactants

(amphoteric; cosmetic compn. for treating keratinous materials comprising cationic poly(alkyl) vinyl lactam polymer and protecting or conditioning agent)

IT 69-72-7D, Salicylic acid, salts 76-22-2D, Camphor, derivs.
79-10-7D, Acrylic acid, di Ph derivs. 88-12-0D, polymers with
cocoalkylammonium dimethylaminopropylmethacrylamides 95-14-7D,
1H-Benzotriazole, sulfonic derivs. 118-60-5, Octyl salicylate
118-92-3D, Anthranilic acid, salts 119-61-9D, Benzophenone,
sulfonic derivs. 120-46-7D, Dibenzoylmethane, derivs. 131-57-7,
2-Hydroxy-4-methoxybenzophenone 150-13-0D, p-Aminobenzoic acid,
salts 271-89-6D, Benzofuran, derivs. 273-53-0D, Benzoxazole,
sulfonic derivs. 290-87-9D, 1,3,5-Triazine, hydroxyphenyl derivs.
621-82-9D, Cinnamic acid, esters 4065-45-6, Uvinul ms 40
4122-04-7D, Aminotriazine, dialkyl derivs. reaction product with
resorcinol 5205-93-6D, cocoalkylammonium derivs., polymers with
vinylpyrrolidone and dimethylaminopropylmethacrylamide 5466-77-3,
2-Ethylhexyl 4-methoxycinnamate 6197-30-4, Octocrylene
7400-08-0D, p-Hydroxycinnamic acid, salts 9000-30-0, Guar gum
9000-30-0D, Guar gum, reaction products with
epoxypropyltrimethylammonium 9003-28-5, Polybutene 9003-28-5D,
Polybutene, hydrogenated 9003-29-6, Polybutene 9003-29-6D,

Polybutene, hydrogenated 9003-39-8D, Polyvinylpyrrolidone, quaternary ammonium derivs. 9004-34-6D, Cellulose, quaternary derivs. 9004-62-0D, Hydroxyethyl cellulose, reaction products with epoxides 9004-82-4, Ethoxylated sodium lauryl sulfate 9016-00-6, Polydimethylsiloxane 11138-66-2, Xanthan gum 15087-24-8D, Benzylidene camphor, sulfonic derivs. 17301-53-0, Behenyltrimethylammonium chloride 26590-05-6, Acrylamide-Diallyldimethylammonium chloride copolymer 27538-35-8, Ethyl urocanate 28791-69-7 29383-23-1D, Vinylimidazole, polymers 31900-57-9, Polydimethylsiloxane 34227-83-3 34354-88-6 37309-58-3, Polydecene 37309-58-3D, Polydecene, hydrogenated 54482-09-6 87246-72-8 96673-02-8 110483-07-3 129426-19-3 144653-38-3 144653-39-4 149591-38-8 150177-00-7 155633-54-8 245654-94-8 306769-69-7 306769-73-3 444572-28-5, ACP 1234

(cosmetic compn. for treating keratinous materials comprising cationic poly(alkyl) vinyl lactam polymer and protecting or conditioning agent)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 26 OF 26 HCA COPYRIGHT 2008 ACS on STN

AN 137:129536 HCA Full-text

TI Composition for direct dyeing of keratinous fibers comprising a poly(vinyl lactam)

IN Cottard, Francois; De La Mettrie, Roland

PA L'Oreal, Fr.

SO PCT Int. Appl., 44 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2002058648	A1	20020801	WO 2002-FR255	

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,

SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

FR 2820033 A1 20020802 FR 2001-1109 200101
26

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FR 2820033 B1 20030502
AU 2002233445 A1 20020806 AU 2002-233445 200201
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EP 1357886 A1 20031105 EP 2002-700364 200201
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EP 1357886 B1 20051228
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
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AT 314047 T 20060115 AT 2002-700364 200201
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ES 2256442 T3 20060716 ES 2002-700364 200201
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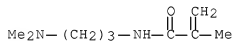
BR 2003000081 A 20041013 BR 2003-81 200301
06

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PRAI FR 2001-1109 A 20010126 <--
WO 2002-FR255 W 20020122 <--

AB The invention relates to a compn. direct dyeing of keratinous fibers, in particular for human keratin fibers and more specifically hair, comprising at least a direct dye and at least a cationic poly(vinylactam). The invention also relates to the dyeing methods and devices using said compn. A hair dye contained ethoxylated fatty alcs. 32.5, oleic acid 2, oleyl alc. 1.8, fatty amides 4, glycerin 3, 60% cationic polymer 2, Merquat-280 2, 20% ammonia 8, diamino-1,4-nitro-2-benzene 0.6, Polymer ACP-1234 0.3, sequestering agents, reducing agents, and water q.s. 100%. An oxidant compn. contained fatty alcs. 2.3, ethoxylated fatty alc. 0.6, fatty amines 0.9, glycerin 0.5, hydrogen peroxide 7.5, perfumes q.s., and water q.s. 100%. One part of the dye compn. is mixed with 1.5 parts of oxidant compn. and mixed, the mixt. is then applied on the hair for 30 min. The hair is then rinsed with water, washed with a shampoo, and rinsed with water to obtain a strong red color.

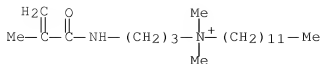
IT 306769-69-7 306769-73-3
 (compn. for direct dyeing of keratinous fibers comprising
 poly(vinylactam))
 RN 306769-69-7 HCA
 CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-
 propenyl)amino]propyl]-, salt with 4-methylbenzenesulfonic acid
 (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-
 propenamide and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)
 CM 1
 CRN 5205-93-6
 CMF C9 H18 N2 O



CM 2
 CRN 88-12-0
 CMF C6 H9 N O



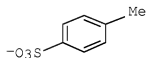
CM 3
 CRN 306769-68-6
 CMF C21 H43 N2 O . C7 H7 O3 S
 CM 4
 CRN 129684-48-6
 CMF C21 H43 N2 O



CM 5

CRN 16722-51-3

CMF C7 H7 O3 S



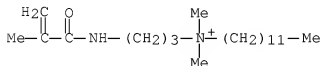
RN 306769-73-3 HCA

CN 1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:1), polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)

CM 1

CRN 126758-30-3

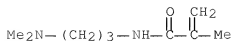
CMF C21 H43 N2 O . Cl



CM 2

CRN 5205-93-6

CMF C9 H18 N2 O



CM 3

CRN 88-12-0

CMF C6 H9 N O



IC ICM A61K007-06

ICS A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

Section cross-reference(s): 38

IT Polyelectrolytes

Surfactants

(amphoteric; compn. for direct dyeing of keratinous
fibers comprising poly(vinyl lactam))

IT 88-12-0D, polymers with cocoalkylammoniumdimethylaminopropylmethacrylamides 124-43-6 5205-93-6D, cocoalkylammonium derivs., polymers with vinylpyrrolidone and dimethylaminopropylmethacrylamide 7722-84-1, Hydrogen peroxide, biological studies 9000-30-0, Guar gum 9004-34-6D, Cellulose, derivs. 9055-15-6, Oxidoreductase 53694-17-0, Merquat-280 306769-69-7 306769-73-3 444311-98-2D, salt derivs.

(compn. for direct dyeing of keratinous fibers comprising
poly(vinyl lactam))

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT